

<223> Clone ID: jC-gmro02910013e03d1

<400> 41451

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agtacaagct acttcaaata aatttcagtg actacaggaa tcaaagttaa atcccatggg 60
tccaaaaact tcctcaagtg caagcctgtg cagttataga gatagcatga caccaattca 120
tgaatagagt ctaagcttct ctagtttcca ggtacacact atataaccta ccttatgaca 180
gcaaaagaaa aaaataataa cagacccttt tctcttctcc taacagaaat aatatgaact 240
ttaccaacac cttcaaacc cagctactca cacttgatgg accggtatat gtgacgaaca 300
aagagcaggg aggcacggaa tcctacgcta ccgagcatga ggaagaagcc atagcagata 360
caggccatgt aaccaaagaa gaacgaagtt tgcataaaac cagacatatc tgatcgtgca 420
tagtagtaat acaagcaata gccgtagatg 450

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<210> 41452

<211> 293

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910013e04d1

<400> 41452

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gttacaaatg gaagatgact tttcaccaat agatcgtaca aactagtct aacagctaca 120
aaaccactcc agcatatttc agatgtgcat gatttcccaa aagattgcta atttgaagca 180
tgtcaaagtt cttacagtcg cacaaaactt tctcactttg tgtagagAAC atcctcccat 240
gggtgacggg aaagtgggtg cttcaatcgc ttttgggcaa aggtgtgccc aat 293

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<210> 41453

<211> 495

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910013e05d1

<400> 41453

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gaacaaaacc accgaattta ttgacctttt tccttttcta atgataatga agtatgggag 60
tcattttctat ggtcctactt gaaactgtag cacagtgtat atcttaaaac aaatatcaat 120

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aatcagtaat aataaaagga aaacaaagta aaagatcaga gagtaagaga aaaaagaact 180
 ctcatactct atttcttctt ttttggttca ctgtatacta ttctactagc agggtcctat 240
 taaacaacag gaagttcatc tttggtatct tcattttctc ctcatgctca gaaattatat 300
 ccagcatgat tatttcacta gttcttagta aagagtctat gctttgcctg tatattagta 360
 gcttttttct gatagagctt tccaattaac caaaaggaaa atctccttat ctaacagcca 420
 ccttcgccta attttaacac tcatgccct aaagagatat atttaagca cattttttgt 480
 ctcatcactt tcata 495

<210> 41454
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910013e06d1
 <400> 41454

aaagggctcg ctgaaaataa attttattga accagatggg aaaaatagct agaaagtctc 60
 gagacagcaa aggctagata tcgttttggt aaaaaattta caacaatgac ttagtgataa 120
 ccaataggag ctggagcctc ttttaattcc ttcccttgat gatgaatac agaagcaaag 180
 tggttaacat ccctgtgatg agccttatca gcgcgaatca cagtgacaac atccttgaga 240
 gttgcatcct tgggaagcct ccagtagtca atagcactgg caggggcagg ggacaatttt 300
 aacttttacc actctcaatg gcattcaa at gctgagtgtg tgaaatcaca gcttcttcct 360
 ccaagtaacc aacaaatcta tgtgccgcct ttggcgagag gaggtagaac acgaagaagg 420
 cgttgaagaa aacaccctgc gcg 443

<210> 41455
 <211> 404
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910013e07d1
 <400> 41455

gggttggggg tttttttttt tttttttttt tttttttttt tgggaacaaa ggcgagggtt 60
 attagcccca acaggtaaaa aaccccgccc ctattttatt ttaaaacaaa aaaatttggg 120

aatccaaaa caaggtccac taaaggttta aaagcatttc ccccgaccca aaaatcccc 180
 caatggccga aaacctgaaa aagaaccggg ggaggggggg ggcaaaaccc gggggggggg 240
 gggggggggg attttttttt cgcaaaaaac cgggggggaa aaatggttat atttgggggc 300
 caatttcctt ttaaagaaa gggtttcaaa aaaggagcc caaacataaa ctctggggtt 360
 aaacttttta agaagggggc cctggaaacc tcaaaagggc ccgg 404

<210> 41456
 <211> 541
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910013e08d1

<400> 41456

ataatcaaaa gcagttgttt aaattgcaaa ttggtacaaa ggtaataga ttcgctacac 60
 tatggaatct gtcataactc ataagcatca atcattatta cacgttgtcc taaattctat 120
 atatctgtta acaataatcc aaaatgttat atactcctgt caacatgtta aatttacatt 180
 ttgcctactt gtaataggag cacagagtgc taaatgcact ctactcacta tcctgcataa 240
 ataaccaatg ctccaattga ctaggtgggg taaccctctt cctaattaac acttcaacag 300
 tgggacatgt tctcttcctt cctccccttg gccttgacct gaactcttca tcagcttctt 360
 caaaatcccc aagggtaaaa acatgttttag cagttttttc atgattatct cgcacatgtt 420
 tgtaagcaaa tctcatgcca caatcaggaa acccacaagc aaaaggcttt acatttaagt 480
 gcacagcctt cttatgctng tctagattag aatttcttga gaatgtgcag ctgcaaccct 540
 t 541

<210> 41457
 <211> 435
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013e09d1

<400> 41457

gttaacgaaa cctaacatat agtaaaaaaa attcttgctg ttcatttgaa gtacaaatgt 60
 gattcatgtg gctgagtaag ggcttggtg ggccgaaaac tacgtcgtaa caaattaaaa 120

cataggcttg tagatttcct ttactggttg atgaagctga gaagtctgat gaatgttggtg 180
 ctagaggtga agtagaagca ggaaattcag tggaaggaat gactggagag aatgtaggac 240
 tttctagatg tgtctggaac aatggacttg gggatgagga gataatgact tcaggagatt 300
 ctgcaggtga agtagtagaa tcttcaggag atgctgctgg tgtgacagaa tttgttgacac 360
 tggcaagagt gtctatttca accttcattc cttggctgca atgtcctatt gtccacaga 420
 tgaagtatct tttccccggt aaagtgagag ggatgggtgt ggcgccatca ttgtaagact 480
 gaattgggtt agttggctgg caagagtcac aatctggctt t 521

<210> 41460
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910013f05d1
 <400> 41460

cacatggcaa ctgcaatagc acttattcct atatcattaa aaataaaaaat tgcttaacga 60
 aaaaattctc cccctcctc tgtattacat cagcacaata caggatatat ttgaaatat 120
 cctccctca ggtgectaca tgttaciaaac aacagttgaa tttacaaaac taaaaactta 180
 caagcatctg tgtgtcatca ttagattcta agattacaaa ttatgggtact gccatgatgt 240
 ttgctttag ccatcccatc ccccatcagg ttccttcctt ttaagaacat cactgcttac 300
 gtgaaagatc cgtgcttgct cttcaagttg ggcctgcgaa ctagcaacag aaagttgccg 360
 tggtaacaaga ggtgagctat catc 384

<210> 41461
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910013f07d1
 <400> 41461

aattatgggc actataatat ttagtttatt tacaccgaaa ccacattatt aaataatcca 60
 aaacatcacg catcatcatc atcatcttct tgttcttggt cctcatcatg ttctttcaga 120
 tccgagaggc tcttagactt gaagctccca aatcttgctc tcatgtgatc aacataagac 180

ttaggaacca aaacatgac ttgtttatct tcttctgatg aataagaaga agaagaagat 240
 ggtgacactt ttttgggctt ctcttctctt tccaaataat tgtcttcac ttcatgaaca 300
 ggcaaaagg gcatcgattt tgggttgac caagcgtaaa aagaagattt tcttgtcaac 360
 ttcgtggcta tttgaacct tcttctcttg ttgaaagggt tcttttgctt ttgaagctcc 420
 ttcactgtgt tgagcgtgtt cacttgtgat agatccgtga atgac 465

<210> 41462
 <211> 495
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910013f08d1

<400> 41462
 acagntgcaa tttactttaa tattagcagc agaaccctac gaaagaacag gatatcacia 60
 tttgtctaac agcacctatc caggggcaca attttttttg ctatattgaa tgtcatattt 120
 caactatttt actccagctg tgcagactaa ataatacaca ggcaaacaga aaaaatgttt 180
 atcctcacca ggattacaat ccaggaggca actttaatcc taaatatatt acaaatttg 240
 gcaaccatat gttacaaaat tgggtgtcta catgggtgtg aataagatta aactatttta 300
 gattttacta ttagatctgc tggcttaaca ttacaggtt aattgctctc agcagaaaca 360
 aaattgcaga tataatattc ttacagcac tataccagta ccatcagttc ctagctgaaa 420
 atggggaata atagcatgcc gctggccccg acctttcagt atgtcatatg gacaacttga 480
 atatcaagca taaag 495

<210> 41463
 <211> 430
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013f11d1

<400> 41463
 aacgggagaa aaactggtac tattctttac gggaattgga atagcagttg tgtttaatgg 60
 gggatgaaag gaaaatgacc atgcgcccc attttaatca ctggtgcccc ctaaaccacc 120

ccctttttat tatatatata tatatgaaac aatatttgaa ctggcactga ggaataatgc 180
 taactctcac ttctctctag ttttggttca ggggtcaactt gtcagtttga aaaggacttt 240
 tttgctggta cactggactg agcagggtttt ttgaactgca ccacaatcat gggcatgttg 300
 tcacatcctt caccactggc aggtgatggg gccaaacacc gatcaagtac tttttcacac 360
 acgggagaaa gttttgtttc ccagtgcaat tgttcatgaa caaaatcaac caggtgttga 420
 cttgacatgc 430

<210> 41464
 <211> 512
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013f12d1

<400> 41464

acagacttat tgagacccaaa ctagttaaaa aaaaaccatg tgattatttc attagccaaa 60
 actacaaacc acagtatgca caccaaaaac aaattacaaa ccacactatg ttaaagccac 120
 agttgcaggc acgcttgtaa aactaagtta ttccactaca cactcttgaa gagtaagtgg 180
 gtagcttttag gctatggaga acatgtacta atgtgcctca ctcttttaac acaaacctta 240
 aatcacagac agaagcatgt agattgtagg ggagcttatg catgttcatg gaatgggata 300
 gacaactatt tttccagttg ctctgtttgt ttccagatgg gcaaacgctt caacagtctg 360
 agaaaatgga aacgggctct tcgggtcaag tattggcttc agcttaccac tctcaaaata 420
 ggggttttagt ttctctaaga tcgccccatc agtagagagt atgaaaagga tagctggatg 480
 aaatccaggt ggaactattg tcacaacttt tc 512

<210> 41465
 <211> 438
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013g02d1

<400> 41465

attcaaaata cttcattagc attgttggtt tgtgtagtcg aagtgttgaa ccaagaatgc 60
 aaatttactt gtgtatttta tagtgtacaa tcgtatgaaa acaagatgat ctgccacaa 120

aacagtatga gcttgggtta aatatacctga tattttctgat ccattcagct acagatgcc 180
 tctcaagaaa tggctcagaa gccagagtga gttcaatcct cggtataaag caacctagcc 240
 atgacggaac catgaatgta tgattaacct ggattcttca aataaaaaaa tcaaatgagg 300
 tcattgttcg aagttggatt caaaagtcgg aaccacgtgt ttttcggagc tttaaactcc 360
 aattaaatgg ggaccaat cacaagcaga ggagagctag agggctcctt taaaatgatc 420
 taccatactt aaaaacgt 438

<210> 41466
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013g03d1

<400> 41466

gtcagtggac tcatcaggat cctcatcagc aatcctacgg atcatatcaa gggctttcct 60
 aataagtttc ttcttgattg tctttagact actatgttgc tgaagcattt ctgcgatac 120
 attaagtggc aatgtgtcag aatcaacaag acccagcaaa aagtttaggt acttaggcaa 180
 cagttcatta aattcatctg aaatgaacac acgtctaaca tacaacttca ggttggattt 240
 gtttgcgtta taatagctct cgtataaatc ttgaggtgcc ttaggtggta caaacaggac 300
 tgccttgaac tcgacatcgc cctcagcagt gaaatgactc catgctaaag gtttctcatc 360
 actgaaatcc ttggcaagag agtgcgagaa ttggtgtat tcttcttctg taacctcctt 420
 tggattcctc agccatatag ctttcacatc atttaaaagt tccattcat aagttggttc 480
 cttcaccggc tgctgcctgg gctttttttc ttcg 514

<210> 41467
 <211> 441
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013g05d1

<400> 41467

aaagaaatca attgagaaca agaacaagg tggcaattaa tccaaattaa agatttgcatt 60
 tcatatgaca ccacagtaca aaccactgtt tattaccaca tcataaatc ccagccattg 120

ttatgcgacc ccaacaacca tatgatccag ctacactgct tcataataga gacagaacca 180
 tgaacctgac gagttacgag cttgaaagag atcattcaaa ttttgaggct gtaccttgaa 240
 ccctggtacg tgtgagtcca acacatgcat caacgaaata ctgggctatg gaatctgtag 300
 gaaaaatctg cgggtctatct gaataccctt tggagaagca ctgactaatg aagaggcttg 360
 caaaggcatg aatgcgctga gtgacaggct tgacacacac aacggagtta ttcgccacag 420
 gcgtaacggg atttttcacc c 441

<210> 41468
 <211> 348
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013g06d1

<400> 41468

gaataaaaac acacatcata ttactatgtg ttgtcataca tgcattgtaa tgagtggata 60
 ttccaaagca attggccctt ttatccctcc ttaatcctta tgccgcaaatt ggcaccatcc 120
 cttgtaaatt ggaattgctt cttcagaaat agaattatac aaagggtggtt gcaatatcta 180
 tttgccaaac tataaatgta aagacccttc ttcccaatcc tagtagtgtc ccaattgtat 240
 ttacaaaggt gggacaagat atgtatattc aagtgcacc cgtgtacata agtgaagcaa 300
 taagcttact ttgggcttta ctagggcaca ttacaggag ttattatg 348

<210> 41469
 <211> 477
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013g07d1

<400> 41469

cttgcgggga aggaaaggcc aaagtagcat tagcaatagc atgtttgttg ctcccatttg 60
 agtttcaagt ttgagcattt gcttttggtt ttttcctaga gcgcagttat ggttcagctt 120
 cctccaaacg cgagccccct caagtgactg ctttataagc caacctcttt caciaaaaa 180
 catcacaatc tctagagttc tacacacaag cacgttctag agagagatag gaaattatta 240
 aattaagcaa atgggtcgca atagcataga catggacagg gagagattaa cggctgagat 300

ggacttcaag gactcatcct ccgccgtgat cagaatccgg cgccggctgc cggatttcct 360
 tcagtcggtg aaactgaaat acgtgaagtt gggattggga tacggttact catactcatg 420
 caaagcagcc agcattgtga tgctagccat caccctccct ctcgtgttct ctctaac 477

<210> 41470
 <211> 390
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013g09d1

<400> 41470

gccaatgcta caaaaagggg tacacttttc aattaaaaca acttttagacc gtaaaattca 60
 aaatccaaaa ggggctagtt ttttggttca ccaaagcct catacaaaat cttaacaaag 120
 gaaagcacgg tggctgctcg ccacaatgat taggcgaatg taacaaaaaa aaaaaaaac 180
 ggttatttaa gatatgtgaa aaacagggtca cccatcctga taaatgcttt tgattgaagt 240
 ttgcatccaa tgtagatatg aagaggggata acgagacctc ttttgacca tctaaaaaat 300
 tcgccaaaaa cagcagaaga attccctgta atggggggat catttcacaa gcaaaatctt 360
 gaggacagaa gcttggccca caccaagaag 390

<210> 41471
 <211> 407
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013g10d1

<400> 41471

agccaagacc cgaatttggg attcatgatt aaatcacgtt taaatcttac cagcaactgg 60
 aaagttcagc aatacacatg aagttgaagt ctcaacttaa aatatgtaca taatatcatg 120
 ttcataaagg tctcccgagg atataatata acgcaaccac actcggtttt gcgagtcttg 180
 gacactttga cagatataag ctaaggcaat agagggacag tgacaggtta aaacgtcatt 240
 ccattatgcc atgcaatagc tagtatgaaa ctggatctac tccgtgagaa gcatggaaat 300
 ttcattccacc ggagcaggaa gctgaattga cgtggaagga aaggggggca ccagagggat 360
 ttgcggcagg aacgaacggg tttgaactgg tcaacgtcaa gtttttt 407

<210> 41472
 <211> 189
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013g11a1

<400> 41472

acacacagga gagaagagat ggcgacgagg gtggtggcgg aacagaagcc gaagacgaag 60
 attgtgtgca cgctggggcc cgcacgcgc tctgtcccaa tgatcgagaa gcttctgcgg 120
 gcgggcatga acgtggctcg cttcaacttc tcccatgggt cccacgagta ccaccaggaa 180
 accctcgac 189

<210> 41473
 <211> 500
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013g11d1

<400> 41473

aagtataact atttttatgt tgctatatct cgcaaagg gaccaagttt tgtcactaaa 60
 tctaatttta tcaccgtgt ccataataac aggaataag ctcgatcgat ggaacacagc 120
 agcaatattt atatcaatta ttctcgact acttttgcct tgtttatggt atactggta 180
 aactttgaac caatccaaag caatgatcta tgagaagaca acaagaaaag aaaacacata 240
 tcaacgttta ttacacaatc cattcagaaa aacaaaaaag aacaccctga gcaaaaggac 300
 ccaatacaat tatatctcct gagccaattc cactacttct tccaccacag acgcataga 360
 agatcttctc ttatttgcaa caaagcactt atcacgaatc tcccctttcc caatcgatc 420
 cgttatcaca tctagctggc tcaccttcac aaaagcatcg gaaaatttct taaaaaacag 480
 tttctggtct gaagcgaact 500

<210> 41474
 <211> 451
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910013g12d1

<400> 41474

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aaaatccaaa agtggctagt tttttggttc accaaaagcc tcatacaaaa tcttaacaaa   60
tgaaagcagg tggctgctcg ccacaatgat aaggcaaagc taacaaaaaa aaaaaaaaaa  120
cagtattata agatatgtga aaaacaggta acccatcctg ataaatgctt ttgattgaag  180
tttgcattca atgtagatat gaagaggtat aacgagacct cttttgcacc atctaaaaaa  240
tttgccaaaa acagcagaag aattccctgt aatgggggtga tcatttcaca gtcaagatct  300
tgatgacaga agcagtgccg acacgatgaa gtgccacaac cgaatccccg ttgtggcaga  360
gacccttgga cttggcatgt tgcattggca attctattgc ttcttcagtt gtttcagcat  420
gagaagctct agcagaagct gcaactcaata c                               451

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<210> 41475

<211> 518

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910014a02d1

<400> 41475

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cataaaaaata aaattgtctc tgtccaatga acaattccta acatatgcac agtttaacat   60
tcaggggctt ggctatacca cagggtcaaag gtccaaagaa tttcttacat gagatgaata  120
aacaatatgg ttacaacacg tatattagac aagcggaagg aagatcatct tccatttttc  180
aagtctgtga cgatcatatct ggagatcatc caatgaaagt tctgtgtctg tcagcatctt  240
caatttcgta atatattgtg caggatcatc gatacttgac gagcctagaa taacttcctt  300
cttcagctta ccagtaagct tgtggcatat cctaagctca gatctgggtg ctccaccaac  360
aatgaatata aatattcggt gccccatttt cttgaaatca ctggatgcat gtttttagcac  420
cgagtcgctt gaatatccat catcagagcc tttaggtcga gcccaagttg gtgtgcgcct  480
tgatctcatt gaatgagcag gaggattgtg agttactg                               518

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<210> 41476

<211> 504

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910014a03d1

<400> 41476

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aattaagcat tgctcctgaa ggatccaaga gctttgattg cagaacctct aagaatgtat   60
tgatggtaga ttgcagccac cgcagctcca acaaacggtc caaccagta agatctcatt  120
ggtcggccca cgctttgtcg ttgttgaaga tcacagctgg tccgaaactt cttgcatggt  180
taatgccggt tccagtgaca gggattgtag ccaagtgaac catgaagacg gcaaacccaa  240
tggaagtgg ggctaacaca ggaacatgag agtcctaac gttcctctta ggatcagtgg  300
cggagaaaac ggtgtctaca agaacaagg taccaatgat ctcagcacc aaagcggtag  360
ctttgttgta accatcgctg acagtgttaa cccacctgc gtacctgttg tagaacgatt  420
tctggaacct tctggccaac ccagcaccgc agattgcacc ggcacactgt gctatcatgt  480
acaacaacgc cctcaccaa gaca                                         504

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<210> 41477

<211> 474

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910014b02d1

<400> 41477

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cgtctaaaag ggatatacgt aaacatttgg ggtgaggcta gtctcagcca tcacactaaa   60
acactatagg tatccttccc gaacaattta gccgaagaa cccaaatgag tggccaacat  120
gacctcttc ttaagatcca caattacatg tgactctcca tagctacatt gttcaaatac  180
acaaccgtta aaaccaggaa atactcatat aaatgtttac aacaaacaga aatcaagtcc  240
tattcacggg ttcaagcgcc tcaacagtga ccacactatt tcctctaatt accaccatcc  300
ctatgtcatt tttctcattg ccattcactt acacagtgtg gtcaacaact aaattcataa  360
actggtcaaa gccacggaga gtaccaacaa catgcgatt tgcgttcagc ttgatctgaa  420
gcttcttatt catgtacttc ttcaaatccg gtgggtgccc tgacctgctc atgg         474

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<210> 41478

<211> 562

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910014b04d1

<400> 41478

aaatcaaaac tgagaattca atctataaat aaaacgaaac tcaacaacat ttgtcttatc 60
cgccaccata taaccccccc ggaatgtcca accatagtaa cagaaaaaca caaggaaaag 120
gctacaacgt atgaagaaca acctaaattt acattttaag gcatagaagt caaaataata 180
acccttctaa ttcaggaaat ccaattacca aagttttttt cctgctttta agtccaaatc 240
caagaacca aaattgacaa aaaaaggaca gggaaatgtc agaagggttc aggaaaacct 300
cacttgccac ccaaggatgg gaagtgccca ggatcctcaa ttgatggagc tggagcattg 360
ctgtatgcat ttccactgta acctcctcta gaaccacggc caggtccccg accacgcca 420
ccagggtagt acctttcccc ttcagctggc ttcagaaact cagtgatgtt gacagacttc 480
ttggatttct cctccttctn caaagcatct ttgcgcttat ccttgtcaga tcccaattta 540
ataaagatct catcattttc tt 562

<210> 41479

<211> 554

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910014d04d1

<400> 41479

catatattag attttaaata ttgatcaccg tcgcgagcgc ttgattaata cctcagtaca 60
agtgaacgc atatataact aaattaactt gtcaccacag tattatccaa agagctgtac 120
ttccatgcag aaagggttaa cactcatcat aacctccag tacagaaaga ctataaggtc 180
tcagactctc agtaactatc agcgatactc aacagagagg aatatgttcc aaggattcca 240
caaatgactc cgaatgcagc aattgcaaca ctgagtacaa cctgtgtcct tgtagctttt 300
ttcccaataa ttttcagaaa acataaactt ggcattatcg ctgacacaag tataactaaag 360
agagaaccaa ttaaagccat cacaagccca aaaaaggaa ccaaaaaggc aacacaaacg 420
gtagatgcaa caagtgttgt cctaagaaga atgaagcacc aatatgagga tgaaattcta 480
tctggcagca actcctctag actccttgcc agtgggttca tcaacaaagc atatntagtc 540
aacgggttaa taac 554

002220-03200

<210> 41480
<211> 465
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910014e02d1

<400> 41480

ggagaaattg atcataaata tatgtagaag ataatgggac gagcactttg ggttaaaatt 60
tataaagcta aataatacta acaaaggaaa aaataaaata aaaaccccct actataggaa 120
gaggatgatt atatgaactg agcatgctga gctttttttt tattatcagc aaactgaaca 180
tgctgatgat tatcatttat ctacatctag ctgtggagat cattctagat attgtgatga 240
actttattag aaacctctgg ttgattatcc aaaggcttgt actgatgaat aaattgacgt 300
at ttgCGAAT acatatatat agggattctg aactatgaaa atgcatatac tgccgcaaca 360
gcgacaacca atacgaggat taccacccag atattcagct ctgaagcaga atattcaccg 420
gaacacgtga tattttatcg agagtagaac acaccacttt tgcatt 465

<210> 41481
<211> 469
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910014e03d1

<400> 41481

aaccaagaaa cattagctaa aaatcttttg gtagctccgt cagggaact aagttttcgc 60
gaacttgtaa aaagtaaaga accctgcaac atcaattgag catgtgtagg acttcaactc 120
ttccgctggg ttaccacctt cttttctatt ctacagacact tgtgccatgg ccctttttct 180
acgtccacca aaaatattgt taaaaaaaca gggtacacaa ttaccgcac taccagaatt 240
ctatttttca accaatgaaa aggtttacta atccactggc aacgatttct ccagatagca 300
agaggcaacc gtatgtactt gctatagtca ttcaatagca ataaacacac cataatacta 360
tctacagcat ctaatcatat gatagcaaaa ttttaaaagc aacttctaga gctcggaaat 420
tttaaaagaa catgtgttcc agcaaaacat gaactgcata ctattcatg 469

<210> 41482

<211> 435
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910014g03d1

<400> 41482

gcaagatatt aacttgacga aatgaaacgc ttgtgtgcgc aattaagtgg atcgcaaaga 60
 aggggaagaga atggagttta aacgtcattc catttttccc attccgaggc atcaacttgg 120
 attgggacct ttaccattc ccactaaaca aactaccctt ctaattcaca cttgggtcca 180
 aactactttc aaaaagttga ataagaagac ttgggtggga gaagattaag attcccctgt 240
 aatataatct tttcttttaa taatgtcaga ttacattgc aaccaccctc acgttgactc 300
 gaatcccaaa cccactcccc cggaaatgtt ctctgcacg gagtgccggg gctccccctc 360
 atatgtcaca atcaacatcg tcggatcgta cggagcacgc tccacgtgtt tctcgccgg 420
 acaccctcta acgct 435

<210> 41483
 <211> 457
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910014g04d1

<400> 41483

atgactcggg gggtattttt gatthttgcaa attacacaat cacagccgta catcacacgt 60
 gagctggggc tcttccaact taaaagcaga ggataacatt ggcccatgac gcaacacatg 120
 caccacctaa taatcataat ttacatctt tacatacaaa atacaaagac tttaaattaa 180
 aattaaaaaa aaaaagataa acagatcatc ttgatgaaat gaaaccgaaa cccagaaaca 240
 ttgttttgat tttttttgtt gttcccaact tgattaagca tgaacggttt gattgaatca 300
 cttggacttg aagggaatgg ccctgattac gacctggtgg tagagtgctg caagtgcagc 360
 accaatgaaa ggtcccaccc agaagatcca gtgatcatcc caaccaaggt ccttgttgaa 420
 gatgatagca gcaccaagac tacgagcagg gttgata 457

<210> 41484
 <211> 551
 <212> DNA

<210> 41486
 <211> 498
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910015a10d1

<400> 41486

caaattgaac actaaccttt tatttcaaat ctgaatattc aaatatttct tcagtttgga 60
 acaggcatca agcaggggta ataagccaag gacaatttct ccttttttctt ggcaatacta 120
 aaggatgcct attctgttgt gaaactaaaa tttgtcctcc aaatattttt cttttctaag 180
 tctatttttt ttttacatat tttaacaagga aatatgcttt ggcaatagtg tgtcatccta 240
 tcattgacaa tttccactgc agcatcaaca atgatctgga ctattcagtg aatgcagatt 300
 tccaaacata gtgctaattg gttaacatca gtatttgga gattcaaaa ctttgcgata 360
 tgaacccta tatagagcct tgatcagtc tggcttgagc aatgggttaga aaggcagaga 420
 tgactgctcc atgtaccaga gccttagggc tttctttatg ataaccaaaa tcagttgcag 480
 ctttcatagc tctctgat 498

<210> 41487
 <211> 403
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910015a11d1

<400> 41487

aacaacccta tcattatttt tataagcccc atgatagggt ttaatattag taacatttga 60
 cagggaaaat atttgggatt ttcaaaaatt ttaaccccaa ttaaaccaga acaacaaaca 120
 aacagtaaag cattaaaaaa ttgggggttt aaaaagggtt gacaaagggg aacagcccct 180
 ttaattggag aaactttttg gggggatgca aatttagctg gattgaattt atgaagggtt 240
 aacaagggtt ttaaaatggg ctccccattt agctcaagat ccctttttaa ctggaacatt 300
 agacttttca agacgatgaa aaccaatgg aagaatgcaa gccgttacc cgttttcaca 360
 tgaagtcaca actgggcttt tacagaaaag cttttttgga aaa 403

<210> 41488
 <211> 482
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910015b02d1

<400> 41488

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gtcactcttg tcttggtacc actggcttgt taataattaa ttatacgtac tcgatcacat   60
caaaatgaaa tgctaaatta tttctttatt ccttaattgg cacaaagtaa aaactggaat  120
agtattgaat cgatctacaa ggaagaaaca atgatgctag gttggacgat gtggttgtta  180
agcacactgt tcaactcctt ctgaaacctc tccatggcct cagacggcaa acaaaccggg  240
ataaccaacc ctctctctcc tttagcattc ttgaaaggta tgtaaaagct agcaacacca  300
gggatggctc caaccctcc cttggcgggt cctccataaa cagccttccc ccacccaaac  360
tcaacgtttt caaaccagc acgagtcaca tctgacacaa cataggatct cacaacagtg  420
aaggaggccg tcccttggcc accattaaat tcgccaccga gtgcatgtat tcctcagtca  480
cg                                                                    482
```

<210> 41489
 <211> 516
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910015b05d1

<400> 41489

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aaattaaaag atcaaaactt acaagaatat cttaaaattt catggatcaa agtcaaacca   60
ccaaattaca atggttgaaa aaaaaaagat tgaaacaaaa agctcaacaa gtacattgtc  120
acataatccg taaattgatc aaatttaaga acaaacttaa caacgttatt gcctaagtac  180
cattatgaac caagctagag atctcacgtt tatatttatg tagtattttt aacaaaaatc  240
taaaattaaa tccttgactt agacataaaa tcgcaagcgg agatactcta gtttaaaaat  300
aaaaaataaa aactaaaaga gtgtccctgc tcttttatcc actagcaact ctgaataaga  360
ctgaaacctt cagcgaactt ttaaacttcc attagttatc caatcaccat ctatagttgg  420
aaacctgtca tttttctca catgtagtga acccgaatgg gtgcctaata cttctcgtaa  480
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tagtaccata attcatcaaa tgagaanatt agtcag

516

<210> 41490
<211> 482
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910015b07d1

<400> 41490

agcaacatct aagcagtacc tggtatacaa aatagaagca cccgtctata tgacaagcct 60
gaaaatatag catcttattt tctcaaagaa ttgtatattg aaaactcttc tattacattt 120
gaaacataat tggctggcat atgtaaaaaa ctcaaagat tctcttaaat acagagcata 180
cacatttttag aggattcggg cctgaagatc tgtcatcaat gtggaggcca atgagctcag 240
cttctttcca gtctctcctg caatgttctt aagggaagag agatcctgtt gtgcctggaa 300
agataatcga ttgatgaggt caccagcagt aagatcaatg ttgttgtctc ttgagtcacc 360
aaaaagatca gcactggaga tggcacttga acccgaaaac ttagacaatg tagcttgaga 420
atccacatct gcagccttgg tctgatctcc aaaatattgg gatgaagaaa tagatttagc 480
at 482

<210> 41491
<211> 539
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910015b10d1

<400> 41491

aagaacgaaa tgatattgtg gttgcttttc tcgttcaact ataaggtaga ttacatttga 60
agtttttgaa cagcacacaa tcatgttggg aggagagaaa aaaatacaaa agatcttatt 120
tctaaaattt ggctactta caaatattgc taccattga atccaaactc ccgaacacgg 180
ggcttagatt ttatgatatc tgagactttc aaagaaggtg ccatggatag caaacgcaa 240
caacaccaat tttgtcaact gttgtgcccc tttcaatcat taacatgtgg cccatttgaa 300
tccttcggaa acccaccatc actcaaacat gaaagaatgc ttaaaagaca tggcaagtga 360
aacaaccact caaagaacgc atctggctgg ttctaagaaa tgatgaagcc ttgtgtgaag 420

ttctttacaac cccatcggtt tgggtgtgtg gaactgaact tctcatttcc tgagcttttt 480
 tctggggcaa tctaaagctt gtcataatct tatccataga ggatgcttcg ctttttttc 539

<210> 41492
 <211> 408
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910015b11d1

<400> 41492

gacaaaaata acataactat gattaattag tcagggtcag tccattaagt tcccctcgca 60
 tgacatgtgt caggtaggga aaggctctta aactgagtac acacttagag accattacat 120
 ttgcccacac tgattatata accataactg actaaacca cagagagttt aatacataaa 180
 ctacaattaa taatcataga atgataacca aattatgcaa ggctatcatt atcatcttat 240
 aattaataag ttgagtatat atatatatgg atgaggtact taatcataat ctggagacct 300
 gcgagtgtag gaattgagac tgagctccaa ggaagcacgg gaagcattct tgaacccttc 360
 ttcagtatga taccagccat tttcatcata gttataggaa ttagactt 408

<210> 41493
 <211> 537
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910015c02d1

<400> 41493

ctcggttgaa atagttcatt tgtagaataa gtttcgtttc ctcaaggga aatcccattc 60
 atccacgctt gttaacaacc aggcaaataa atgataagca caagaaatag taactaaaaa 120
 aaattattac ggatctctgc tcgaacaaaa atcataacct tttaatgtaa tactactaca 180
 caccggcagc atccacactc gtattgtttc agtcagataa acccgcttc gacttttagat 240
 gcgccttgaa ttccataatg tcacctccc atctggtcac agattgatta gcacataccc 300
 atatctcatg cgccacctga tttatgagcc taaaatcatg gctgacaagc accaagccac 360
 cgtcccattc attcaatgcc tcggccaacg agtcaattgt ctcaatatcc aatgattag 420
 ttggctcatc caaaagaagc atctgaggct gtctccaagc taaccaagca aatatcactc 480

<211> 491
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910015c09d1

<400> 41498

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ttccgctcga ttttttttta ttaaaacatt aagaactttt gataatcgta ttaacaaaat   60
aagacatgtg tccagaataa agaatcaatc atctataagg gaaaagtcaa taaaattttc  120
acacaaaaaa tgaaagaata catgtgtcca gaaacaggta aaaaatgtag aaaagttaat  180
aagaacaaaag aaaaaggagc ttgggtgact tggtagtcca gtcattcatt ctctacaggt  240
gtaactccaa gtccaagcac ataactctgg tgctattcga ctttttcaga accgggattt  300
tcgcaataac ttgggtcgata gaaggaatta taggaaaccc ttcgttgaga gcagctctgt  360
gttttctcat gtggccaccc agagcctggc ccagagagaa ttcaagtcca caaatggagc  420
actcgtgcat ttttggtttg ttccacaagc taagagtttt ggcttggctt ttgagttctt  480
ccccctctag c                                                              491

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<210> 41499
 <211> 552
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910015c10d1

<400> 41499

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ggaacaaatc aaacaaaaac tttcttatga atcataaaca attaatatta tatatatagc   60
attctactat atactatata taattttctt ttcctctctt aacatctaaa atccaatatc  120
ttctatattt tcccttcac ccccccgct tgagcgtgac cttgggttta cgttgtagct  180
acagttagag caacatatcc ttctttttct atatattgct tttgtctccc aagacatatt  240
agactccaag cagcacgtag tagagtatgg ttatgggcaa tgcaattagc atcccaaata  300
taaccgcagt actaagtata tctgcatgga gattgtattc tttggcgaac acaaagggaa  360
cgataccttg gggaagtgca gcctggacaa ttgcaacatg caaaagaact ccacggagtc  420
caatgcctat tgaagttgca gcaatcacag ctggacctgt caagaacctt acagccatag  480
aaaatgctgc cacagattnt ccacaggcaa tgatcttggg ttgtaatgcc atgaacagac  540

```

ctagactgaa ca

552

<210> 41500
 <211> 514
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910015c11d1

 <400> 41500

gaaggaaaat aatcaaattt ttttcttgac aaatgataac ataatccact taacaaataa 60
 ttgtatttcc caagacattc taaacactat cttccacggt tctaattggc atcccatcta 120
 ttgatcaaac taaaaacata gacaaacagt tgaattacca aaggtgtagg ataaaaagct 180
 gcccttctat ggttggtggg ttcagagaag tataaactta acaagcatgc ttgaagacct 240
 agaagaacaa atcatctcca tattattgaa acaggacaga ttaatgcacc aaagtgcgag 300
 tgtcctcctg attgccaaaa tcaggagagct cagaactatg ggaaaacttc atccatctct 360
 ttttctcaac aaatttgaga caaggctgca tcagaaggcc aattgccata gcaataaggc 420
 ttacaacat tactntaagg gtggagaaaa acaacaccac accaatcaat attgtcggag 480
 ggatacacat gataattggt cagcagttcc cccc 514

<210> 41501
 <211> 535
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910015d06d1

 <400> 41501

gatagaaaaa tcaagataag ctgacccatc atcatgacat gacttgagcc acaacaaaaa 60
 ccaatagttg tcccagcagc aattttaatc ttaatcttct agaagctttc attacatgga 120
 aatgaaaaaa gagagaataa gcaatagtag tatttgtttt cttttcagct cctactactt 180
 tgatagctac gcctgtgaca ctgaaaagga ttgagaaaac aggcttctta tttttattta 240
 tttatatcta taagatatga gatagagaga gttgtgatta ctattactat tgagacatcc 300
 aatacttgct catctcaaag ccattcctgc catagtgata gtcttcaatt gtgttctcaa 360

tctcagactg cgtgttcac acaaaagggc catgctgaac aactgggtca ttaagtgggt 420
 ggcctccaat cagaacaaat ctcaaaggct ttgaagagtt attccatacg ctgaggccat 480
 caccttgagt caaaacaagg acatgggtgtg gcacagttgg ggatgatgtt ggaga 535

<210> 41502
 <211> 468
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910015d10d1

<400> 41502

aaatgaatca atgactttct tgaaaacccat taactacaat caataatgtt tactcaatgt 60
 agattacaat ttgcgtgttt caccatcaga actctccaaa ttccaacatt gccaggaaaa 120
 aaggaaagac aaaaaaaact atatatttaa agagacccaa ggagaaagac aatggaaccc 180
 gcatctaaat tcatgcacgc agatatacaa aatacacaac aatgaataga caacacccaa 240
 aagccacaat tttttttctt ccccatgaac ctgctagtct tgaacggcat caattgcttt 300
 gcctgtcctg gcttgtgaga ttcgatttgc ataaatgggtg accaacttca actgtgtgct 360
 gttaagccct tgcaaataatg gcaagaatgc tttcccaagc atgatataaa tatccacgag 420
 acagaaaaca acggtctttc gaacatctgt actctggtta ccaaaaagc 468

<210> 41503
 <211> 541
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910015d11d1

<400> 41503

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 tcatcctcgt tgcctcacc ctctcaact ccatcctcca tgataggtcc ttcacagcc 120
 aaaacagcac ccctggtgcc agcccgagtt cgtttcaaaa ctttgagctt taaatttgtc 180
 cttctgtcac agcccaacca agaatacac aaacaatagc aagtc aaatt gttagttacc 240
 tctgatgggg cctggaactt gcccaatact aatctagagc cccctttcac cttctcaact 300
 gcttctgcaa ctaccttact ggtctccttc acatttgctc ctgacccctc catagactcc 360

tcaattgcct tagatgcagc agttacagca gcagcttcat ccatgaaact aaccttctga 420
 gaaaaccaca cgttgtttga aacagaatcc gcangcaaaa accagtagtt ttcttcctta 480
 tgaaatgggt agtagggggc atgtggaaga gcaccaatca ggctattacc cctttaacat 540
 t 541

<210> 41504
 <211> 505
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910015e02d1

<400> 41504

atgaagagta aaatgagaaa tgactaagga tgcacaagac agaaaaggaa cactcaagga 60
 atacatacat ggaaattaaa aaaaagaaaa agaaaaagaa aagacacaaa agggatacaa 120
 aatacaccct tggacacaag catgcttatt tacaatttga tgcattgccc catgggtttg 180
 gccttctctt ccaaaccacc ccaacaactg tagctgatga gagggaaaaga cgaaaaagcc 240
 taaattaggg aactgcatag acagatcact agcactcttc aacatagaaa ttattattct 300
 tcgggggaaa caccatgcat agcccttggt ggcaaattaa tcaaggtagc tagcttaatt 360
 gattaattaa ttaagcgttg ctctgaagg atccaagagc cttgatagct gctgctctaa 420
 ggatgtattg gtggtaaaat gcagccactg ctgctccaac aattggtcca acccagaata 480
 tccactgatc atcccagatt ttgtc 505

<210> 41505
 <211> 505
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910015e05d1

<400> 41505

cggccaataa aaatattttt ttacctgaaa atcaagcata catgaagtct tttctgcaa 60
 acacattttt taacataaaa cagggcccaa gacatacaaa caaagaggaa gtccacaaag 120
 ggtacatggg catcattggt gaaattgacc ttattacag aaaccaggg aactcattcc 180
 attcacatgg gggcttgtaa aggcttgga acccacataa gatgttttat agggagaag 240

gggcacactg catccttccc aggcttgatt ccaagctgcc taaatataat atgatttggg 300
 ctccaatcag atgtgtccaa atggcaaatg ccaagagctt caattttggc atctccattc 360
 tcgctaccta gggagacctt gaacaccttg ctccctggtg ctatgaagg gcaatagtaa 420
 atggcatagg gatatggtag gggatgacaa gctaccatt tagcagcggt gatattctca 480
 gacacttcca aaatggtgaa ctttt 505

<210> 41506
 <211> 499
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910015e06d1

<400> 41506

catccaatcg ttcgtctatt attaatcaaa agattttacag gggtaaaaag agattacggg 60
 atatataagc gtactaagat gtctagaaaa tgagtttcca aaaatcatta ctagctgtta 120
 tataagttag aatcattacg aataaggag aacatagtgt gtttggtaga cgagtttaat 180
 gcttattaca gtaccacag aaactaaagt gacaattcag gtttccatat tcatcaccaa 240
 gcacagcaca acatcaacgc cagaaacaga gaaacattaa ggatatatga cgtagtttca 300
 tatatagga cactgcat gcatgcactt gaacacaaaa gcctgttttag ttatggttct 360
 ggaagtagat gtagtctacg tcagcttcct ccataaacct tctactggag cacttttcgt 420
 tcttcacgtc gcatctctgc atgagattag gtcgtgaaag aaagagaagt aaagaaggca 480
 atgaggggta agaaaatta 499

<210> 41507
 <211> 504
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910015e09d1

<400> 41507

accccaaagc taagaaccaa atagtacagg aggtatgaaa ctgggatatg caatcggtat 60
 tgcgcgctt gtacaaaaac atttaatttt catatattac aacaaaaaac agactttaga 120
 aatctgcaa gactaaataa cgttaccagc caaacctaa agggtaaatt tatcacgcag 180

ttataactgc attatgcaaa caaaagataa aaaccatgca gaaattatag aacctctact 240
 accataaatt gcactactgt tgagcacatt gcactcgttg accagatggc tcatcatcat 300
 cttcatcata tgccctgcga tattgctggt gctgctttcg tctcatctcc tccttaaagt 360
 tgacatcatg caaagtgggc ttcttacaat catccagctc catgtctgac acatgcttgc 420
 tgctcttttg aggtaacacc ttttccagta actggcattg gtcaggggaa agaaaccctg 480
 agtctgggaa atcaacatta aact 504

<210> 41508
 <211> 535
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910015e10d1
 <400> 41508

agnggccgcc cttttttttt tttttttttt tttttttttt ttttgaacac aatgaatatt 60
 ttgaataatg gagtatctga attccccacc gaatcactcc atgacttggc aagcaataaa 120
 ataaatgaca cctaactaac actattgtag ccatggcacg aaattgaagt caatttttggc 180
 caccttggtt cttggctttg gtagggacct tgaataataa tgtaaatacg acaaaaataat 240
 cttccaatat gtgctatgac ccgtatttgc agagatcctc aaatcccatg tattcatgat 300
 tatcgatctt gtgtaccata tttaaatgc caacttcacc taatgagact gcactgacaa 360
 atattgtaga ggctagaata aagatgataa gagatgctct cccaaataag atgattagtt 420
 ttctcacaat gtgctgtcca acgaaggcag caatagtagc cacaaggacg aagttaagag 480
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<210> 41509
 <211> 364
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910015e11d1
 <400> 41509

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cccaggaaaa aaaaggggag aggggagcat taccaccccc ggcggataaa aaaacacgcg 120
 cagggaacca cccaaaaaag gggccccggg gggaaaaaaa cccgagagct ggggagaaaa 180
 caacgagaac cccccataaa aagaagcggg ttcccccccc ccacaaaaaa gggggcaaag 240
 aacggggccc cgctcgccac agaagaaaaa cacgggagag tctaaagggg ggggggagtt 300
 tcggacaaaa gggccaaaca aaaggggggg gggggggggc aaaaaaacg gcgccccggg 360
 ggaa 364

<210> 41510
 <211> 532
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910015f02d1
 <400> 41510

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 atttttatca aattaagaca cgcgccttcc ctatccccctc ataacaaaca taatcttacc 180
 ccagaaaaac aggaagagaa aagcaaacc acaaaagttt tcatagatgc catccatttc 240
 aatatacatt atctaaacac aaatcagccc atggcatact tctgggtcca gctgcgtgca 300
 gtggcctcat acttggcccc gtcagttttg tacatgtgag cgatttccgg aacaagtgga 360
 tcatcaggat ttggatcagt cagcaatgag cagatagaaa gcagtacctt agagatggtg 420
 agtgcagggc tccactgctc ctttaaggata tcaagacaaa tgctaccatt gctgttgatg 480
 ttcggatgaa acaccttagt cctaaaggca accttgggag gtttgaaagg at 532

<210> 41511
 <211> 488
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910015f05d1
 <400> 41511

ataaaattaa attggactgt gtatccaatg cagactgtgg cagctggggg aagggggacc 60
 aatacatgca gataactccg cgtattctta tttttaactt gtgcattaag caaatgaagt 120

agccagattt atcattacaa caaacaaca aatggatgac caaaataatg ttgtgaggga 180
 agttgcaagc aattttatgt acaaataatcg aagtataaag ataacaaaat aaccgcgtcg 240
 tgttgtagtt caatcacttt cgtagtcttc atcatctcca aaggtaaaaa cagaagcatc 300
 tgcagccatg gccttaaact cactttctgt gctgggcacc tcgagactgg aactgtttt 360
 tccttcaacg ttagttcttg gctcactagc atgacgaatt ggcgtagagc tcttgtttcc 420
 caaggaaact tgttctgttg catgtgataa atttgcattt catttgaaac tctgcttgaa 480
 tcggagac 488

<210> 41512
 <211> 604
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910015f06d1
 <400> 41512

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 gttgataatg ctatgtcatc atagctttat tcagcaaaca acacgcaaac cactaaatac 180
 aattacaacg atgtctgagg atgttcataa atataaacgt taagtgtgac atacacatca 240
 taaaaatggt caaggataga cctcaatcag agatctaaaa ccaaagatgg gaaatatttt 300
 gtagtgtttg aatcctgctt cgatgaagag ttgtttccat tctttttccg ttctctctct 360
 tccattcatc gtcaacataa taatgtccaa actaagcttt gtttgtgtca tatccgggtc 420
 atctagcttc tcatttatta cggcatctat gataatcact tttccactgt tgcctttgct 480
 tgaaatagaa tctctacact tttgcaggat ctttatgcaa ttntcgtcgg ccaattatgt 540
 aaaaccacn tagtagcact gcatcagctt gagggataga gtgaacatgt taccacaaca 600
 aaac 604

<210> 41513
 <211> 360
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910015f11d1

acatggaaaa ttcccacggt acgtccattt gtagctgaaa acgttggtcg atactcaagc 240
 tcagcgaact ggctgattct ctatagtatg tatctgggtc atatcatcag accaatgttg 300
 taatgtcttc agccttagaa catctctgat gctgcatggg tgagaggaaa tatactttct 360
 acctcattgt ggatgaaacg aatgccactg gcattctata tgtctactac ttgaggaatg 420
 atggctttgc ccaaataaac ttgttgcac 450

<210> 41516
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910015g05d1
 <400> 41516

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 taaaacaaaa taaaatttta ccgaatatac catgttaaaa ataatttttt gcccttata 120
 acaaaacttaa aaaaaaaaaa aaccagttg ttttgctaca aaaaaactga tccatatttt 180
 acttttaaaa aagacaactt aattgaaggg ccgggcaaaa tctttgcctt aaaaaaact 240
 ttttttttcc caccctgttg gttggacaga gtcaattccc aaggaggagaa ccgggatttg 300
 ttgtggtggt ggaacaactt taccceaatt ttcttttgaa acaacagcag gtgcttttgg 360
 aggggcccc cagttgacac caagtgcttt ttgaaaagggt tggggaactg catcactcca 420
 tgat 424

<210> 41517
 <211> 559
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910015g06d1
 <400> 41517

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 atcccgaata agacaacctt ggagagacca ataaagaggg aaaaacaaat tataagacac 120
 aactacaaca agagaaaacc ctcaatttca tcctgaagt attactctct cctaaatgg 180
 tagtaagaaa attatacaag tattctctca cattagaaat cataataagt aatccttcaa 240

gtattgtaaa atctatcaaa ttggtcccta aaggtttgta aaatatacta attcaagcac 300
 taaactgatg gatgctcaat acttagtgga ttactaatat aattttatta ctttttagaga 360
 gtaaatagga gagaatgcaa tacttcggat actaaattga tggttttatt caatgcaaca 420
 atatccaaaa tcttctaate attcttaggt atagcttatg tttccctcac ggccaatctc 480
 cgcttgcttc atgctccaag cattcagttt tgagaccacc aactctggc tttcattggg 540
 aaatgcataa agatgggca 559

<210> 41518
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910015g09d1
 <400> 41518

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 agacacaatg gcatcaatta ttagcttcag tgattacagc caatacctag caagaacaat 180
 gctcgcataa cacaaaacag aaaattatgt ctccttagga ggggctttct tagcagcctc 240
 tgcagctgcc ttctccgctt cgatctcagc aacgatggca tcaatttcgg cttcctccag 300
 ttgacgcaga ccctgctcct tagtcatcac cgcaacttct atgttcttcc ctccactctc 360
 aacaacttca agcaatgcgc gaatagccaa cttgacagtc ttctggccag aagtgtcctt 420
 atagttcttc tccaggaact nccgaatcga attcgagttc cttcccgtgg cgttcgcctt 480
 tcacgccgag aacgt 495

<210> 41519
 <211> 534
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910015g11d1
 <400> 41519

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agcgcatTTT tatccaccaa attatTTTgg ctcagactaa gcaaaccta acaaataaag 120
gactcacgaa atatataact ataaaatctc acaaaacaat ctatgcaaac aaaatcacac 180
tgtctctact tcatgtctaa ggctctaatt taaccacttt ttgtTTTTgg tacatcttca 240
tagctgccct taagcctgtg taatgcaatt ctagtaataa cagcactttg cctgtgatga 300
tttgtatctt cttgatgatg gatgacaatg aaatTTTgga aaggactttt tttttcttct 360
cgaattgaaa attatTTtgag ctaaactagc tgtagatgat ttggtacaga gtttgttgct 420
tgaagaaatc agcctctttt gatgtatTTT ttttaggaga aactagaaaa atatggacac 480
aacattgatg aaacttaagt aacttgagaa atttggtcga acgaggTTta cacg 534

<210> 41520
<211> 523
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910015g12d1
<400> 41520

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ttgggtcacc atataacata tggcccaatg ataattatca ttaaaacagg gctacattca 120
cgcattaatt ttacataaaa catggataga caagattgcc atgtgtcaca tttgaaattt 180
atttacagca aagcagccaa gcctgggtag tctggtatTT ataccaaaaca atcgTTtgca 240
gtcaccttag ggaaaaagca acacaagatg gtctcagaag atgagctTTg aaatTTtatca 300
accttgacgc catttgacgt ctccctggat agatcacttg aaaattcttg accaaaaatg 360
tacagttgaa gcaagcaaat accacaaatt tgcaggTTaa tgaatgtata caaggaatct 420
tcttgatcag aatcaaacca tattgggcat tcatttgga gaagatatgc gctgtacaga 480
tgaaatccag ctatcttaaa ggccaatttt attactaccc ttg 523

<210> 41521
<211> 527
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmro02910015h02d1
<400> 41521

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 tgggaaaaaa ttagagtga aacatgtcaa ctgtggatcc acgagtgtag tttctataaa 120
 tctgtgatta taaacatggg ataggtcagt ccgtgcaatg tagtccatta aaaggaatca 180
 ttcttctgtc attaaaagga accattcttc tgttatgcgt ctcttccac caggtcagag 240
 ccactagttg tgcaggattc tattgatttg tccaagataa tcccttcttt aatctcatct 300
 gaagctgcca gctgttctac cgtcctcca ccctcaagac aaaccatgag atcaccaagc 360
 tgcatttcca ggtccgtac tctatcacc atcagtctcg tggtttttt ctcctctct 420
 tcaatcgcaa gtatcttagt ttccaaatg tcctcatctt tcacaagatt ctcatlaaga 480
 tcatccagaa atttcttctc tttcttacat ctgncaatct tggactg 527

<210> 41522
 <211> 557
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910015h03d1

<400> 41522

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 taccagccaa aacctaaagg taaatttctc acgcagttat aactgcatta tccaaacaaa 120
 agataaacca agcagaaatt atagaacctc tactaccata aattgcacta ctgttgagca 180
 cattgcactc ggtgaccaga tgggtcatca tcatcttcgt cgtatgcctc gcggtgttgc 240
 tgttgctgct ttcgtctcat ctctcctta aagttgacat catgcaaagt ggtctcctca 300
 caatcatcca gctccatctc tgagacgtgc ttgctgctct tctgaggcaa caccttttcc 360
 aataactggc attggtcagg ggaaagaaac cctgagtcgg ggaaatcaac attaaattgg 420
 atgtaaaggc gacccttcat gaatggccta ttgtgttngn gcattccctc atcatttaat 480
 gctttatatt gacctggctt gatgacttcc ccaggatttg atttgatcaa tagttgccta 540
 ccatcaagat gtttgac 557

<210> 41523
 <211> 530
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910015h05d1

<400> 41523

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tacaaagaac tcaagctaac aaaaccagct acggtttcaa gttacagttc aagcaaggat   120
gatgatgatg atgaaaatgt tacaagtaaa caacaacccat tcttttggca gaagtgtaca   180
caaagtaaaa agagagactc aacttaaga cgtactctac aaccaattat atccttcttc   240
tttcggttct tttctttttc ttttcatttc aattagtctg tccactctca acacctaaac   300
catacaagac accagcatat ttctccgtgg agccactgaa gaacgcatcc ctcaactttc   360
taaagtgtaca agaagtgagt aaactatcag acccagcctg atggcacacg ccaacccttt   420
caacctccaa caactccgca agcttggtca accctccgtg gaggtgtgtg cagaacttca   480
tcaggtgctt gatgtcatat accatcggaa aatacatctt gatcagatcg           530

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<210> 41524

<211> 539

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910015h06d1

<400> 41524

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gacaaaatgg ctttcgttac tttgctacct ggggaacata taaaagtaaa agaactatat   60
aaattaatcc agctgaggaa cccaaaaatt cagatctggg ccaaaacaaa taggaaaaac   120
tgagtaaaaa aaatctccct catttgctat tacgtgctg tggcagaggt gggggctctt   180
aactcgattt tctatccttt ctttcgcaa taccctaaact taacatactt ttgaaccctt   240
tattttctcc acaaaagaaa attcgaccag aaccttaaag aattatgttt taggtcttcc   300
ttattcttca attcatgagg ctccgagctt ctctttgtta agaacaaagg aaagaaagga   360
aaagtactga atgcaacagc acaacgcagg acacacacat cattggtgaa ttccccaac   420
caaagtccag aaccataaaa atgtcaatct ctactattat ctgtcctcat gattggacag   480
ccaacctttg cagatgctca aagaaaactt gaaggctcac atcatcagta aagattaca   539

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<210> 41525

<211> 328
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910015h09d1

<400> 41525

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 gaacacattc aacatttccc aacgggctta aaacccccca cggggaccgg ggacaagggtg 180
 aaggggtgat tccttttgga tgttgtaacc aacgaggggc ctttcacctt tgagctgttt 240
 gcccgcaaaa aaaaaccttt gttgggtccc ggggaagccc tccttggcct gaaaattggc 300
 cttcacaatg tcaaaggggt taaaactt 328

<210> 41526
 <211> 553
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910015h10d1

<400> 41526

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 agaactaagt aaagcatgaa caagactgac aaaattaaat tgaagatcct acacaaatgg 120
 aagaaccacc cgatagggtt acagagaatt acctgttgaa atcatttgcg tttcagcatt 180
 tacttaagta aaaactgtaa ctgagccaat tgctcaaacg caacatgatg aaactcatag 240
 cagcaacatc caggttcagt tgacctttat atagaagctt tacctaacca tgacaatttc 300
 ttcaattaca caagagaaaa tcaaccagc ataactgtat ctcaaagctc caacagattt 360
 caatgagaat aacctgcatt tgttttggat ttaacatacc caccatacca caaacatga 420
 gtaaacacaa tggagcctat cgatggccac atcaaataat gatgcttgaa ctaaacaaga 480
 ttatacaaca aaattggcca catcaactat agaacttaga tatgaaagac tgatgaggag 540
 attaacttaa ata 553

<210> 41527
 <211> 532
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910015h12d1

<400> 41527

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 atcatcaaag caataaaaac cagcacggag accatacata taaccagcat taaccaagag 180
 gccatgccac tttccacctc ttgagcatat tcagcacaag ctagtccaag gaagggttaa 240
 gggaatgaat acgcccacca tgtaacgttt aacctcttca tggatttctt gaacatggct 300
 ggcttgcaag cctgagacat aaacaggaat aaagacagaa agaggagcat ctttgatggg 360
 gtgacaaaag cacctgtgat ggatttccag gctagacttg ctatgcttgg tgcagcaaaa 420
 aacaacaagt aagttggcct tagcactgtg gggaactggc tgccacttgt cagacgctga 480
 tacagcgta caaatataat tagataatat accaaaccga gtgagaacat ta 532

<210> 41528

<211> 460

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016a03d1

<400> 41528

aattcaataa taattttctca atcgaattaa atgaataaca caatagttca tcattcttgtt 60
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 taacgcatac aattaaatt ccaccaaaaa ggaaggaata acgatcggaa gtaaccctt 180
 catgcacgta caaattaatc agaatcacac actgatgaat agaatttgaa aaataaaaaat 240
 taaaaatgga aaagcacaac tagagcaaac ccgaagcaga agaaggatat aagatgatat 300
 gtgatagtat aagcttaggc acattggaaa tcacgtggga ctttccttga gcaaactttg 360
 agaagcaagc tgaatgagat aggaagggtt aggggtgctgc cgaaaaagtt tgctttgagg 420
 gcagtgcata ggcacactgc agcttcaagg tcaacgagac 460

<210> 41529

<211> 538

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016a04d1

<400> 41529

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gggacaaaat tctgataaaa tttccattgc atcaacacag tgacattgca tagccaaaca   60
ataaattgtg agtataggga gaaaaaaaaa aacgaacagt ttaggtattg atgagatggc  120
attagacatt gaatggagta gtagtagtag tagtcatgaa acacgcaaat tattcatcca  180
caccagcaa gacatgcact gaaggagtg attaacttaa caacactctt aagcttgagg  240
cttctctgac ttgagtggct tcacaacttc ccaggtgaag tctgcatcat ccgttccaaa  300
gggtccataa gcagctgtct tgaggaaact atgaccaccc gtcttaaggt ccaagttaat  360
ggtgatcatt gcaggtctga aggcgaaatt ctcttcaca atttgataa tctgattgga  420
aggaatcttg cctagttgca taagtgttca caaacactga ctagggtca gggacaccaa  480
tggcttagga aacttgcaca atgcaccttc tagcatgcca ttgcccaga cactcttt   538

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<210> 41530

<211> 525

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016a05d1

<400> 41530

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gttttgataa tgtggacatt ccagtgaaaa caaaccaagg cctgagttaa tgctcattgg  180
agtgcacaaac aagcgcacct ttacatgtaa ctttttattt tcacttatag aatagggacc  240
ccaaaagcac taactagcac aaattaaagg ccactagtaa caactttttg tagtgaccat  300
gctctcttga caaaggtaac acagctgaaa gccacagggt ggtctctacc acccccacac  360
ttcattactt cacctcattt ccatgtccac tatggcaaaa tcacattttc caaatttttt  420
ttcaaggttc ttcagccagc tttgttgaac agtatgcaac agcctctgca acagtgagga  480
agatcttgtc ctcaccagca aagtagcaaa gtttgatgtg tggag                    525

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<210> 41531

<211> 557
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910016a06d1

<400> 41531

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 aaggataata gaagaacaat ttgagcaaca ctcgataagt gtgtttactt ataaaattcc 180
 ataaccaga agccagagac actgcaaacg attttgatgc cactgaatcc agaacttaat 240
 gccaatcca tgaattcatg ttgggttctc tcttttctc ctgagtttg agtcatcatt 300
 aagaggtcag cttggaaacc actcttagca gtaactgtgc tctcgggcaa aatgggaaga 360
 attaagtcca caacaatcac ttttccatca ctaggaatag ctttatgaca attcttcaac 420
 aacttcaagc attggtcatc actccaatcg tgaagtatcc acttcataaa aatgggcgctc 480
 tccgtgggaa cactctcaa catatctgct tctacatgtt cgataccggg gtatgtagga 540
 gcatgctcta tgacatg 557

<210> 41532
 <211> 515
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910016a08d1

<400> 41532

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 tactatagta atccttgctg caaaatttgt acttaagcta agcctttggc tattgcaatc 180
 ttctaggcat cacaggatga ctgcaggata ggctctgttg taatacttta gccaaagcgt 240
 tggaagttga aaggatgtgt atgtacaaat agcaagttgc tcttcctata gagggatcca 300
 gcccttgatt agtcccgtct cagtaccaca aaaaattatg tcattggctg cgaggatgct 360
 tgttatcttg cttccagctg atattctccc caactttttc ggtgcctccc tcaaccatat 420
 ctgaatgttg ttcggtgaag agctggagat taggtacaag aagtcttcta ccacttccat 480

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515

<210> 41533
 <211> 340
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910016a09d1

<400> 41533

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 ttgaggtact tattttattta acatttatct atattttttt ccaataaaat tttggcaaaa 180
 ggagggacat gcagaaaaaa ttgacgcggc ctgctgtttc atggataaac cgaatttggc 240
 aaaggaatca gcagcagcat tgtacggtat gtaaaacaag tatgaactat ttgtagcaga 300
 agttagagct ttcaactttt gagagagtgg gaaacaatgc 340

<210> 41534
 <211> 458
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910016a10d1

<400> 41534

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 gccccgttac ataaaatact ttagtataca aaaattggcc tatcacttca cttacgaaaa 180
 gaaaaccccc acaaaccaga attctactat tagggacact tggttccatt ttttttcccc 240
 ttaggagcaa tgcaggggga ccaatttttg gcccacatg gaaatcatag atacactttt 300
 tgcaaagtca acagggagct gaaaagaaag aaagaaggcc caccagcggg gcattgatat 360
 atgtaggggg ctcaaactgc tgaaagaaag gcctggaatc agggaaggaa tctgggttat 420
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<210> 41535
 <211> 565

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910016a11d1

<400> 41535

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gttctgcagg tattcagtta aagacaagta agaaacaagt tccgggaaac aagttgtggg 120
aaacaagtct gatatccttc taacaaatta atcaacctcc tcgcatatgt gcaccaagct 180
cgccaaactg atcatcagcc tccactgtat cttcagatag cctcacagca tccagcttct 240
gcttgagaat ttctatggca tttagaacca attgagaagc ttaaccgct ccagtagact 300
ccacagtgaat tatgaagcta tctgcctcg caatgatttc tacaagcca ggcttgccca 360
tagcttctgc tttcttaagc acctcatcat catatgtgta tgcctcagca tcaaccacca 420
tcacctgttg tgtcactgga tcaatttcaa agacacgggt tggactactg tcaaccatt 480
ctcttttctc tttcagagtc aaggtttcca tcaaatectc aattatatga atctnccggt 540
catacatgaa agtgacagtt gcagc 565

<210> 41536
<211> 553
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910016a12d1

<400> 41536

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gtattatata acttcaaat aaattatcta atgtatcttg catatataat aataacaaga 120
aacttgtaga cagactgatc tagaaacttc tgaaaggagg gaatacacag aagttggaca 180
ttaattacca aaaactgcag gtcaaatgct gctttaatca gttctgatga gcagatagag 240
cgaaattgga gacattagtg tctattgccc aatagaattc tcatgtagta atacatattc 300
tcgactactg ttaccaaatt taatgggtgc cttttcctta agttcgtaat atcgttgagg 360
ttcaatggga ctatcantta tgaaagtttt gtttgtgctt ccaagggtcca taacgtaagg 420
ccttacttgc ttttaataatg taccatcagg ttgctccttt tcaacttgcc ggaattgaat 480

aacagcatgt tgcttgctgc aagaggaatg atctgtaggg atatcagcaa ccctttttcc 540
ctttcaaaag ata 553

<210> 41537
<211> 544
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910016b02d1

<400> 41537

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gagggaaaaa cacccttttg tgcatgcagc taaactcgtt atttctgata aaggaaacag 180
aaaataaaag tggaaccaa gagaagacaa aaactcagat ttagccagtg ttttgcaagc 240
cagcagcaat acccttcatg gtgagaatga ggggtgtcttc caaaccagg gcatattcac 300
ttgttgggtt aagtgttata agttcatcag cagggttact tatctctata gactctttgg 360
agatgtgagg gcgcagcttc acattatagt tcggatcacg gatacgtttc aacgtgtagg 420
cttggcacac gtttagggta gtaataaag aatcacgcaa gcgcagtctt tgcttcaagt 480
atggatctcc ttcaagaaga tccctatggc cagccacctg aaggaggagt tccttggttt 540
cttc 544

<210> 41538
<211> 521
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910016b03d1

<400> 41538

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attcattagg gaaaacagga gtggggaaaa ataagggggg aggggttgag gaagaattaa 120
ttgctcacag agcatgctaa gacacctaaa tattccacac acagttattg aaacaaccca 180
atatagagaa aatttttctt tgggtgtatta taatataaag cagaacaaaa tgatttggaa 240
gattctactt tcttatacca ttcacttggc ttgttcgatg cggatgagtt ttgctgcggc 300

aaccatgttt gtgagggctg gcttcacctc agtgtactta cgggtcttga gcccacagtc 360
 aggggttcacc cacaagatgt tcttctcgag cactgccagt atcttggtga ttctgtcaga 420
 aatttcttca gttgggtgaa ttcttggtga gtggatgtca tagacaccat ggccaattcc 480
 agcaccatac ttcacacctt cgtggaagac tgacagaagc t 521

<210> 41539
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910016b04d1
 <400> 41539

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 agtgtttaaa tacaagaag caaggaagaa gcaactttat gctctcaatg gaagaatcat 120
 agaactctag tgttgttaga accacaacta gggcatttgt ggtagagcca gtggaagggg 180
 gtctctcctt tcttttcaca atcattacat aataaaacct gagtttgact agaaatctca 240
 tcagaaattc tctcttcagc caacaacgca tctaacaatcc taaaatatac ctgcatgtct 300
 tcaagtgact tgctacatat tgggcaggtg taattaaagc aggtatatcc ctgaaaacat 360
 gttgagtgc ttacatgacc acatgggagg gctgttaccg gagagcagga tgtgaagata 420
 tattcatgac aaattggaca gttgtcctct aaatgtttct cctgcatgta tgtgtcataa 480
 gagaacgaga catacaagca 500

<210> 41540
 <211> 585
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910016b07d1
 <400> 41540

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 gcatttatag gataatctga tagagaaatt catatatcct taccattatt accatgcctg 120
 acaagacgta tgtacatttg ctaactgtaa ttgctattaa gatacacgat gtctgtctga 180

gaaattatgg tccagatatc cacagccaca actacatcct ctataaactt atatatagcg 240
 agggatagga aaacctaaga atcacggaaa attggttgcg gcatccactt gagatgcaaa 300
 ttcaaaaagc cagatttggc tccatctagc acaaaacggtt ctttgtattc cctttccagt 360
 attaccctgg taagcgtcaa tatgcatctg cccatatagt cctttccgaa tgtgtcgtgg 420
 tcccaaactt caacaattag catatcatgt aatccatcct caacaacaaa gtcaaagtgt 480
 tgattccaaa caggattcaa gctgtcattc acaaccctgg ttttggtttt tgtttctgct 540
 tttttcaggg tagaacaaca naaggatcag attttcccat gaaat 585

<210> 41541
 <211> 612
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910016b08d1

<400> 41541

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 gaagattgca attttgcagg tgaatattca atataatgag gtgcagtctg aatccttgta 120
 taaaagaaag aagaactaaa attatttgat acattgctcg ctgccagaa taattatcta 180
 tcaatctcct caaaaccttg gcttgaattc aaatgggtca ccatctaacc ttggcagga 240
 aatacttctc aatgagtgac acatagtatg gcttaacttt ctccacatca actagaactt 300
 tgctcttgct gtagagatca tatttgtaa aaattttgag ccacttcaaa ttctcaacgt 360
 cttcttcatt catgaagtga gtatatgcac cttccttggtg taatggatag aaagaatgat 420
 atctgataat gaacaatcct gcagatggca aagtgggtgc atttgccttg gcaaccatat 480
 acatgtaatc atcatgtccc catgacatca ctatgttgct taatccacac ccttttgtga 540
 gatcccatth ttagtgctat aagcagggca tttgtaatcc cggttgctct tgaaataactt 600
 atgatgaaca tt 612

<210> 41542
 <211> 561
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910016b09d1

<400> 41542

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cgatagatca gtttaacaaag taaaaagtca ttgacataaa tatatgactt attcgtccaa 180
ttgcagaggt aaaatcacgg gtctattaaa cagtaaatat cgaaacaagt aaaatttgat 240
ccgaattgaa ggctagttta gttgttgga ggcgcagcat tagcaatata aatgacgaaa 300
cggtagcgca catcattctt agcaaggcgc tccatagcct cgttgattct gtctggtgtg 360
attaattcaa tgtcactcgt tatattgtac ttgacacaaa ccttcaacat ttctgcgtc 420
tcttttattc cccctatgat cccacctttc actgatctct tgccaaatat caatgggaaa 480
gctggcaatt gtaagggctt gtctggtgca cccacgagat ataatgtccc gttgactttg 540
agcaatttca agatgggcaa c 561

<210> 41543

<211> 530

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016b10d1

<400> 41543

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ctgtcatatc aagggtgcat ccttacagca agcatgtctt gttaagacaa cactttgaac 120
ccatgtcagc cagactaaca tctcgtgata tatagaactc tcttcagact gcaaaatcgc 180
attattttgt gcagcctcat gtgctaggat agctttctag ccaaagttta tcccctgagc 240
taatggtagt tcaattccat aattgatggt acatgtagaa cgccgcatgt attgcttcca 300
tgagtcactt cccgcttcac ggccaccacc tgtcgccttt tctccaccaa aggcaccacc 360
aatttcagct ccattttagt gtatgtttgc attcactata ccacaatcac tacctcgtgg 420
cccgatccat ttgaatatag ttccaggtct ttgggtaaag attgaactac ttaatccttg 480
aggtacagaa ttgttcaagg caattgcttc ttctagagtc tgaaatttca 530

<210> 41544

<211> 611

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016c07d1

<400> 41544

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 ctaacacata aagagacaca taaaaagggt tacattatgg gaacacccat gatttattaa 120
 cccataatat aatgccacca gaccagacca gacctcccaa agcataaaat atctaagacc 180
 taaactatta catgggaaga aaaatgcatt aactgctttt tgagtcaagg gactttcaca 240
 tgaccctctt taatgacaca ataaaagtcc gtgatacacg agtttccctc ttcgcatttt 300
 cactggtacc aaattgaaac ctcttgctgt ttttgaagag aatccattcc tactccttgt 360
 atatcctcct tgaaatcaaa ggatgacaaa tcacaagggg aattaacat caaatggata 420
 ttattgttgt tgtggttggg atcaaaagga gtgttcatgt tcatgttcat gttcatgggtg 480
 gccttgaacc ggtcaaattg accttctctc cgtgcaaaca agttcccttc caacaccatt 540
 ccttgaccag ggaaaaaact gttctgtcgt tgtagctggc ctgagaagggt tatgatttta 600
 gcagtacaca g 611

<210> 41545

<211> 550

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016c08d1

<400> 41545

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 cttgccatcg atagcagcac tcacatgcat acataacata gtaattaaca ccatgaacat 120
 gcccttctac ccaactctaa cctacttgca cagtacttat tgaaataaaa aataaaaaaa 180
 caaactaaca aacaagagtg acatcggaag attaaaaaac aaagcgtctt aatcctcgca 240
 tccccatgaa cctgctgtgg tcttgatcgg ctcatggaac caatcaaccg acccatttaa 300
 agaaaaacac cttcatgaat aattgtatca tctgttacag atttcttcca catagagaag 360
 gggaagaaaa ttcaaggccc aaattaagcg ggaagcaatt aaggctcctc atgggtgcttg 420
 atggcagcat tgcactgctt tctgatctca ccctttgtgc cagtgagagg gtttgtctca 480

gatcttggag gccgttgtca tcaactgacaa agctactgga agatctaaag gctacggatt 360
 tgttactttt cgtgaaccag aagctgccat gagagcttgt gtggatcctg ctcctgtaat 420
 cgacggcagg agagctaact gcaaccttgc ttctttgggt gtccagagat ctaagccttc 480
 aaccccaaag catggaggag cagggaggaa ctttagagta atgggttctt tccagacagg 540
 atttggaggg ggagtggg 558

<210> 41548
 <211> 500
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910016c12d1

<400> 41548

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 caatccttac acattgcttt tgccctctaaa atcaggtaca acacacatgt catatcatta 180
 ttacatatag agaagcattg atacatatat taattaactt aagaaagcca aaccatgtaa 240
 ttactgaaag cacatgcacc tgagagctta cttaacaaga gtacatgtta ctaattcttc 300
 atacatgtat agctatagct gctagcttat ttggatggac atgcatgcca ttaaacttat 360
 cctcatcagc ctccttaatt atgatcgagg gtgacgccat taaacttttt ctcagcctcc 420
 ttatgattca tgactccata gccccgtctc ttgcattatc ataattcgga cgttttcccc 480
 cattaccgaa attgaagcgt 500

<210> 41549
 <211> 569
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910016d02d1

<400> 41549

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 taattatata caagcttttag ctgctatgaa attaacagtt aaatatgtag cgatattcta 120
 cattgacaac aaccctgtgt gatctgcaaa cttatcagga tgcagaagat acagtatgga 180

agcttggtta catcggaatt ttgtatgaaa taaacagtga gattaactga gatattatga 240
 ctgcaactct gtatattggc cttgctaaac tataggtatt catagaaact tattaatggc 300
 aaggcaagtc ggatcgcgga tgatatacaa ctgttttaggt gtcaatatcc aaatcccgtt 360
 ctcccttcggc agaggttcat cactcaagtg gatgtgcatg tacttcatta aggaatgatc 420
 agatcattat gaatcagcta tcatgcattt tactctctct tgtccatatt taggtcctga 480
 ctgcatagag ttagctgctg ttgcaactgc atgtattgga acttttagca ggcagcttat 540
 cagtcaaagt gattatccga gtctgaagc 569

<210> 41550
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910016d07d1

<400> 41550

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 gtcagatcct atttggtgcg aagcacatac atacagcacc gctaaacaat caccacaatc 120
 ttctgatga catcaaggcc aatacataat ttaatgctcc aacaaagcct cgtaacctta 180
 gctgaattga ttgtacacca atcagctaag tctaacctta ctctctccac acgatcaaaa 240
 aatgaaaagg gaaacaaaaa aacttaggct ccaccacaga aaataaaatg gagcatatgc 300
 cactgtttta gttaataaca atacattect ttttcatgga tatctttctt aaatattatc 360
 ttctctgatc cactgtcttc atcatctaata tagatcacgt aacttgcctt ttgacaaaact 420
 tgattgtgca agctgagcca ggaaaccttc attcatatac tcgcttccgc ttcaaagtgt 480
 tggagctatg gaaacaaaac caatgaggaa aagtactgat aggtcttaaa atcatataga 540
 tccttaattg ac 552

<210> 41551
 <211> 604
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910016d08d1

<400> 41551

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 attcagtatc actcatttca tgaaagatgc catcttgaaa tcattcccta ataccatgaa 120
 agtgctccag ctcaaataaa ctaaaactat cattatcagt attgtccaaa ctgcgtttgt 180
 tgatgataac caactagctt ctttaggaga gggatgagac caatcaaagc aatttgaagc 240
 tgttctgaac tatttaatcg aatacttatt tgccctgccc ctcgattatt caaatttgcc 300
 cgggcaacaa ggtttgtatg tcgtctact gggatctgag attgcacatt gcacccaaca 360
 gcaagatctc catgccaatc cataacagaa aggccaagcg tagttaagaa acgaccaaga 420
 ggataatcct tatctctcag ttgggctctc aaactgccac cataagcaat gtcgccccgc 480
 cctgtcattg caccaccact gacaacatgc ttgaatcgct tactagcaac caatttgtct 540
 tcaatcttca acccagatga taaggcatca ccagtaaagt taatgagaga ccagcagttg 600
 ctta 604

<210> 41552
 <211> 528
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910016d11d1
 <400> 41552

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 acatagatta catcaagggt ttatacaaat cttgagataa tatctgtcat gaaaagctta 120
 atttaagttc ctaaacataa attactaaga tgattacata tgggtctcatt tcatttcaga 180
 tagaaatagc aaagcctaaa tcatccgcag ctgtgttaag atattcaata gacaatccat 240
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 tgacatcaaa atttaagtac tgatcatgga tgccattctt ttgcagtggc ttaggactcg 360
 atccaattga actagtatgc aaaatgtcac gaataaccga actgctcaga gcacggacat 420
 gtgcacttgg atgagaaagg catctgattg tagctggtag gcgacacttt aacagggttg 480
 aaagcccatc tgccactcca agtccagatt ctcccaactc aatcactg 528

<210> 41553
 <211> 436
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016d12d1

<400> 41553

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gtttatcaga tgcaatgtat gcaagaatac cacagcatga ggccacatt aatgaaagca 120
caccgaattg taacagctgg gagaaataaa ttactacaga aagtggagat agcaccggca 180
acttaaaatc atattttgcc cagggcacaa gattactccg tcaatgcttc aaaaaacatt 240
ctcccacaaa cccgataaat aatcttgat gttttcatcc gcacccctgg gagacaggat 300
tatttaacac gcccttccat cttcctatct tcgagaaggg tacacagcac cagttgccct 360
ggctctgctgt ttagaagcaa agcttgagac tagcctccca tttgctgagc ctgaaatttg 420
ggcactgggc atactt 436

<210> 41554

<211> 417

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016e05d1

<400> 41554

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tttcaaaaac cccagggggt taaaacctgg ctgaattttt caaaaaagtt cccccccct 180
ttggaaaaaa taatcccaaa aatattctaa aatttagtag atggccccgc cccttttta 240
gaatttttta aaaacattta accctttaat tttaaccttt ccgataccgg ggggggggca 300
aatgataata aaagggattg gcctcttaaa gcttgggagg aacaggggtt tttggggggc 360
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<210> 41555

<211> 368

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016e07d1

<400> 41555

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 acacaattac aacacgacat gacgtgacca ctatttagaa gtgtccctac ttctcaatat 120
 tattctgaaa aaaaaattag gacatctttt gtacatcctt gggccaaaga tcttaccatt 180
 tccaaagtag ctagacttac atctattttt tcatttcaat tcaagagttc tcatatgttt 240
 ccaggccctt tggagactcc aaaaaaatg gacaaattgc actcttaaat ttgtaaatat 300
 acaactcatt gtacatatca atatggtgcc gatactcttc aactgctttt actttattcc 360
 ttttcttc 368

<210> 41556

<211> 455

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016e09d1

<400> 41556

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 ttttatttac aatcttatgg ggcccaaat gcagatgcct ggactaatta aacaacaacg 180
 ttagtctgat aggcaggggc catagataaa ttgggtaccc ataaaagggc cttgcttcca 240
 aggaaatggc aaaccggggt agttccagga tcaactccca tgagttcatg aagcatggga 300
 tgattcattc cagaagtatc tgagtggcaa acagcaagtg cctgagtttt ggggtccatta 360
 ccagccacca atggaaccat gaaagctgtt gttcacggac tttatggcgt aaaatactgc 420
 agttctgaaa tttagcccat gacacatcac tgggt 455

<210> 41557

<211> 391

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016e12d1

<400> 41557

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tcaagggcca ttttttacia aaaaacccca acgaatttca atttaaccct tttacaaaaa 180
acctttttta cgccaaagga tttatcgggt gttattttcc agccctcaat ttttaaccaa 240
gcttaagttt aaaaggaaca atcttcatgt ttcatttgga aatccacaat ttttttacia 300
aattggttaa ataatggggg gcacccccact tttaaacttt gttccaggat taaaattttg 360
ggaggccacc tgggttttttg taagccatat t                                     391
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<210>	41558
<211>	494
<212>	DNA
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<223> Clone ID: jC-gmro02910016f02d1

<400> 41558

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taaaccagat	tcaagtattg	gcagcacaaa	aagcttccaa	aacaagcaag	gttcaatata	180
tacattttac	agcatgctat	ctgtgagaga	aggcaacctt	cggaagaaat	tgactggtgc	240
tcttgggggc	ttgccccgaa	gcatagggtg	cctcattagg	taaaatccag	atagaataaa	300
caacatcttt	ggtggtgtaa	catacaaaac	tatagcagtc	acaaggcaaa	acaccatgaa	360
tatcgaagtg	gctctcgga	cccttcaatt	tataagagca	tgtaatcttt	ctccctgagt	420
tgctatctgt	ccaacaacac	tttgaacctt	ccctgccaaa	cttctcaacc	tatcatacct	480
tcaacgaacg	atat					494

<210>	41559
<211>	394
<212>	DNA
<213>	Glycine max

<223> Clone ID: jC-gmro02910016f03d1

<400> 41559

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tcatcgtgta agggcaaaaa gataaaactca aatatattac ttacaatgca agatataaga 120

taaaatgaat acaataaaca tgtacatata tagcaggggtg aaaaatgctg tcgacttctt 180
tctaagccaa atgggttattt gaacaatgcc cttattcaga gatatgaccg tttgcttctt 240
cttccctctt ttcttcagag acagtcttag caatggtaaa gctgggctga tttgttgaag 300
acagaagcct agcccacatt ctatcagtaa ttatcacttt attctgtccc tcagtgatcc 360
tataaaaggg tatgtacgtt tgtcttccat tgac 394

<210> 41560
<211> 504
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910016f04d1

<400> 41560
aatcaaaactc cagcaagtaa gatacataat gaggcgggtct cagaatagct tatccggtac 60
aatttaagca attggtatac aaagtatgat tttcaataag gaacctccgt accaaatatt 120
tagtcacatt tatttgtaac ctattaaaaa cttttgcgaa tacgcgaata gctcccctaa 180
taaaaaaaat gccgcatgat taatcattaa caggaaaagg ctatctcact tgatgtcatg 240
aaaagatggc aacacagcaa taagagggtc tccataacca acaggctctc catcctcaac 300
aagtagtttc aacacttctc cagccacatc agacttaata ggaagtccag tgccaaattg 360
atccaaatac cctatgactt gcccttcttt gattacatca ccctctttac agataggagg 420
ttgcttcttc cctttcactg gtctacctct tcggaataag cccaaccgtg gagatgatac 480
taagacatag gtattggtac caga 504

<210> 41561
<211> 449
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910016f05d1

<400> 41561
ccagtaatag tatttaatat tataagcaga gattcataat tcagattagc cgaactttat 60
acagaagcga ccaattacca aacattaaaa aaaaaaaaaa ggaagcaacc atgagcttaa 120
cacaccatc acaagtccaa aacacttgaa cttgctgaaa ggcaagacat gaccacttta 180

ttctaaggat gttggttttaa cacaaaacac cagagggcac gaaaaccatc acagacataa 240
 tacataagtt tttagctaca cattaatagt ttatcattat tcctaattaa gggctatctc 300
 tgcttgaagc ttgctctccc aacacctaac ttgcaagtgc aggggttgca ggagcagttt 360
 ggtccacatt tgcagccatc gttctcaggg ggcacacca tttcagcacc ctcaaattga 420
 gccttaacag gtgccactcc catgaccaa 449

<210> 41562
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910016f06d1

<400> 41562

aaagagacat aagaccttct taatcgatcc aatcttttct tacattcacc tctagtcctg 60
 gcactagata tttatttttaa taatttgata cccttaaaaa taaagtgaaa taaagcttag 120
 agataagttc cataattata cgataaactc atctctaaat atttcactaa atatttgagt 180
 accatcttta acatcaaaca tcagatacaa gtcgatcat tctataattg cacatcaaac 240
 atagttcagc taaaaggctt actttattat attttttatc tacgaacaac tagacattgc 300
 agaggtggct tcatttccat ggaaagccta agacactccg aaagatccac gggttgcgcg 360
 ggaagccatt tgaagtggcg aagaagttgc gcgagccaga gatgggtcgt ggccaaaccc 420
 aaggcccggc cgggacacac cctacgttca gcccgaagg gtgcaagcct caagtccgat 480
 cccatgatag aaacatcttt tttgaagaac ctcttgggct tgaaa 525

<210> 41563
 <211> 566
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910016f07d1

<400> 41563

cagtggcact tttgtgctct actgacacaa gacttggact ggaagattta cgagtaggag 60
 acaatgagga actcctactt ctatgtcttc tgtatcgttt agcagatgga gatcggcttc 120
 taccacgtct tggagttgta gaaggacttc tgtgacctct tggtgaaata gaacgacttt 180

ttcgctgta tgatgacaaa tgatcataag caatgaacct cagcaactaa acagctatct 240
 ttagagaata taaatgcttc ccaccatcta gcacactaaa tacaaaaaca tgtacagtta 300
 cctcagaaat tgctaagatt aaccattgtg tgctccatct tttatcacat gaagaagcaa 360
 atgtcacaat cgagcaatga aaaaacaccc tatcagcacc caccacctgt tcatatccct 420
 cacttcccat gttatgggaa gaaactgac ttttttattg ttacaaatag catatatcct 480
 atcttgttct ctaaattatg ctctatatgt ggtattttga tgaagttctg cctccacata 540
 taagtgggaa atcccacaaa gaaaga 566

<210> 41564
 <211> 516
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910016f08d1
 <400> 41564

ccaaaaagac ccttttggcc tagtctcttt cttataataa ggtaacccaa ataaacccaa 60
 atcacaggtc aattaccgaa taatccagat tgagggggaa aacaaataag agtacagggg 120
 tcctggagaa tgtaacaata cgtaggtctg agaaggaaga aaaagtgaat ataattatat 180
 ctcacataca cggagcagct ttatttctat ctcaaacaaa aatagaacaa gcttcagtta 240
 ctcttcaat gaatttgaca tgaagagaca actttagcat ctgacaaaat tattgtcaac 300
 aataatcttt cctgatgtaa aaaatgaaat gaaactggaa ggcagctagt tgacaacatc 360
 aagaaccagc ttgcgagact ttagaacgga ccacctaagc cgacggtaat aggcagcttg 420
 aagtaatgcc agtgatagaa caaatattca tttgaatccc atcagttttc tctcttccat 480
 ctcaggttcc gcagcccaag tcaggaatga tacaat 516

<210> 41565
 <211> 523
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910016f09d1
 <400> 41565

caaagttaaa aaatttccta ggggtactttg aggtacatat gtacacactt aatgcataca 60

taaattattc taaattatTT tcatgtatgc caatcgctcc gattgggtat aacactcacc 120
 aaaaatatct aattgagttt cagctgacat tatgatatga atcaataata gcatcggcaa 180
 ggtattcaca tttagccaac gacaatcctg ccagggaaat ccttccatcc tttgtcatgt 240
 atacgtgcc a cttgtttgtc atgttgtcac tctggttctt gttcaagcca gtgaatgaga 300
 acatgcctat ctgcttaagt atgaatgacc aatcctttcc acttttgtct tttgaagtaa 360
 tactatcata tagctgctgt ctaacattct ttatccttcc agccatcatt tccatctctg 420
 ctttccattc attaaagaga actgggTTTT caacaacatc ggcaactatc ctagccccgt 480
 gtaccggtgg attagagtac attggtcggg caatccttcc aac 523

<210> 41566
 <211> 523
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910016f10d1
 <400> 41566

aaataatatt gaaaatgtcc ttctTTTTTT ttttctcaga ttaattttgc cgtgaatgat 60
 gaaattaata tactcaaggt gggttatgat cttatgcaca aatgggatta ttacctgaac 120
 ttacattcat ggcactctaaa acttaaataag gtgtcggcac gttggattat gatattatgt 180
 gcatatatga catagaagta gccatattac aagcttaatt tctacagaca tatataaaca 240
 ctctctcat cccaaacagc tggtaatctg attgttgatc ttagcctttt cacttagggg 300
 tgaaagcagc aaaaatggta gcatggccag gatctgcaag gtgggcaaag aggttgtcaa 360
 taggaccggt ggcagcgtag atgtgctgga accatgcacc catgacagca agcatggcca 420
 gtctgccatt cttgatctcc ttagttctca agtccttgat cttctgagga gaacctgttc 480
 ctcaccaagg gggTcaaacc aaaggccacc agggttaccc aca 523

<210> 41567
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910016f11d1
 <400> 41567

<223> Clone ID: jC-gmro02910016g02d1

<400> 41569

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gttcacaaat caatatatat taaaacatta aggattttta caattatcta atcatagcaa 60
ctacgtaaga gtttaaacgc tgttttcgtg ataacacggt tattttttcca ttacagaaga 120
tgacttagcc attcggcaat aacattatgt gtttttcattg tatcaactaa aataacttaa 180
cgatgagggt accatttaat cttactccat cagaaattgc atctaatttg tgttttagatc 240
tcgggaagaa agttgcagcc ataagaaggg aagcgggtta aagaacacta aaacttgaag 300
atagccgcac cacttgatgg cttggaagca aatacataaa ggccaagatc gttctttctta 360
ataacgcctt tgtctattct agactggttag aaacattcct tcaaattaag gataaattgt 420
ggaactatgc tctctttcac caaagcaaca gcacaaccac cccatccagc ttcagtaagc 480
cttgcccaa gagcaccatt gttacgacaa atatttaciaa gggtcttcac tccggacagc 540
tgattcatat aaacgct 557
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<210> 41570

<211> 375

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016g04d1

<400> 41570

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cttcaatgaa caagaatttt gacaaattat acaacgaatc tttccattag attgcgttct 60
taaactacca attgggtacc aaccaattcc cctaacaggt attttgaagc gcaccaagg 120
ttgatggcaa cagtggcata gcaatgatat cttgattggg tttccctgaa gaaaagaatt 180
agctggaaga acaaattgcy ttttacctg aatctactgc ttgaacttgt tgccgggcca 240
agtacttttc ctttctctct ttccattcat caattacaag ccctttggca gcaacccgag 300
gacctgcctc cacggggaggc tttttccgag ccttaactgc ggcatcagct ttagccaatt 360
ggcttttcag gtttt 375
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<210> 41571

<211> 521

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016g06d1

<400> 41571

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aatcagacc gaactgattg caatttttat tatatataaa aaaaaaatta cgacagcata   60
actatttaat tacaaggaaa tttagcgggg ggggatggga aggaaaatgt attaaaaaat  120
ggtgtetata gtaagtttcc ttttgggagg agtttttctt atgatctgct tctgtaagtc  180
cataaatgaa gaacccttgt tagcaaatag tcttcgcaag ttgatcacag aaagttcact  240
aaagtttagca acggttaagat cagcctgccc caaatcatat gcaggatgag ctccaattaa  300
tgctacggcc atcattgtac aattgtgccc agcagttact cctctaggat catcttcaaa  360
aaccacacac ttggaagggt tccgatccaa cttgacagca gcagaaagaa atctatgagc  420
tattgactcc attccatcct cttctgtcac aattgcctgg aaataacttg tgagcccat  480
tcgctccaaa gcctcttaca tattttcttct atcaagactt g                        521

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<210> 41572

<211> 548

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016g07d1

<400> 41572

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gaagtcatat tatcttatga gcaacaagat taaaataga acaatttcca gggaagaaat   60
ttctcctaca aatcgatttt tgttgaagtt gctattacaa atattttcag taaattccac  120
tttactgaaa caatatacat atgatttcat tcaattatga aatttaatta gtaaaaaaaaa  180
atattaaaaat acatatagac aggaatagca caaaattaag acctaaccta tgcagagggt  240
agcccttttag gaagagattc attgtctgga tcaggtgtaa gaaaccttcg acaagcataa  300
aaaacagctg aatggaaggc agttgggttg tcaatgaacg caaagtgcc accctgagga  360
atcctgatga tttcgcatgg aaccttcata tgcttgccag cttcttgggc accttgataa  420
ttcatccagt cttggaaacc atacatgaaa gtggtgggca cttccactc tgcggcactg  480
agaagaaggg gcatcctagc aaatgtcca aatgaaaaaa tatattttta gcacagctct  540
tcactagc                                     548

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<210> 41573
 <211> 403
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910016g08d1

<400> 41573

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ctcatgaagg cattcctcca caggagtaaa aataggggaa taaaaagaaa aaaaaaaaaag  120
ggggtagtagg gggggccaag ggaaagaccg tttatccggg ggtaaaaggg ggctttgaaa  180
acagaggggca aaggttgtac cccgagatta acgggcttat agcaagggca ccaaaagcca  240
gaaggggcaa cccaattgaa gcactcgcca tttttgggaa aacatttttt cccaattgg  300
atggccagtc ataaacgcgg gtagcaccaa atgatgcacc cgatcccaaa agatccccc  360
aaacctggtc cctgaaaaaa tcaaaggggg aaccagggg ggg                               403
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<210> 41574
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910016g09d1

<400> 41574

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gtccatacaa ttgatcgtaa tttgatgtta gtaatttgta tggtcactat ttacaacagc   60
ataaaagcac tgtaagaatt acaacaatga aagaagggac aaagccaaca tgttctctct  120
tatgaattca agtggtagctt gaatagctat gaactatata aagagcaaatt tttaaacata  180
aaatacaaag tgaaacttat cacataagaa ttgactaatg gagatacctc atcatgaaga  240
gcgtccccc ctttccttag acatcattcc tttgagactc ttggctaacc aaatggctgg  300
ctcccttgga gagaccttgg ctttcccaaa gggcttcaga acaacttgaa gttcctccaa  360
tctgttttgc tgcagcaact ttgcagacaa ctccaagagc ttttcaagtg cctctgctct  420
ctgcctgaaa gatttcacat cccatgtttc ctttgccacc ggtagtttct cttcattaca  480
ggaatgttgc atttactggc ctcagcagaa tcag                               514
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<210> 41575
 <211> 505

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910016g10d1

<400> 41575

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 ccatgaaaga gccatacatt ttccatgatg actaagagag tatttttctt tgtgttctag 120
 atctggctac aatagttggt tcttaaaagg taattaatta acaagaatat gatatgttgt 180
 actagactag ggtcttcaat tccttggcag tggcagcaat agggtagtct tggcgccctc 240
 tcttgcgga tttaccaatt gaattctctt tcccattttg acccttcaac caaaccccaa 300
 atagtttcaa actttctcca ttgtcacctt tgggtggtgg ttgttgttgt tcacactcac 360
 ctaccgcatt ttcgctgtca tcaagatcat tattaataat agcatcaaaa cgcaccgcat 420
 cattgttgct ggacacacac gttccttgcc gaatgatgcg ctctatcaca tcggtgctca 480
 cgttcagcga gtctttaaga aacgc 505

<210> 41576
 <211> 388
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910016g12d1

<400> 41576

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 ccattgaaag ctcccaatgt tgtaaaaaag aaaaggctaa aatggaattt tcgccccttt 120
 attttttcaa atttgggatt ttaggcccc catTTTTta ttgggacatt tcatccccca 180
 ttttaaaaag gtttcccttt taagccccca ttttttaatt aaaacggccc ccacttttaa 240
 aaaaattccc aatttttaggc tttgggggta atttcaaacc ttggtttatt tcccttgga 300
 aacttaacct gcccggggt atttattatc taccggacaa ctttttttta aatattta 360
 tccaacaag ctttatttat ttaaaaag 388

<210> 41577
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910016h04d1

<400> 41577

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 ataatggtcc agtacgtgtt aggaatctaa catgctggca atgtcaaaaa aataacagca 120
 ttggatggtg taagatctaa aatacttaca aagctaggag gaggacaaaa tggatacata 180
 tttggatgta catgtaataa ctctatctag acaggctagt tgagatacat aagaataaga 240
 acgtgtctgt ctacagtaaag ggcagacaca agtagaagta gaagaaacaa atagcagtgc 300
 caatgtaccc ggcacgatga aatcatccga gatggagcag ccgaaggttt gtggggagct 360
 cttccagcaa cagctggagc aactgcatgc ccgcttcgttc tttgttgctc atctgtaggc 420
 aatgggtttg atgaagtctc atttggagaa aggggcatcc tcttgccctag actcagatcc 480
 tgac 484

<210> 41578

<211> 516

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016h05d1

<400> 41578

agaaagaaac acaaatttta gtatttaata aagcaaaatg cacacatgcc ccaaacaaaa 60
 caagccttat tcaacccaaa ttggtttcat atcacagaaa ccaacaggat gccgccttcc 120
 tccttactgg tccacccac tcgaacaaaa gttctacaga aataaaaatg gctacaattc 180
 ttctaccaca aatctgaaaa gtctaacacc aaaaatcaaa aaaaggaaaa ttaaacaatc 240
 aaatccgatt gataaaaccg atttttgtct ttccctcact cacttttcag ttgatcatct 300
 caatcactta gtacctgtag tgagcaggct tgtatggacc ctcaacaggc aactgatgt 360
 aatcagcctg ggacttgcta agctgggtca gcttagctcc aagtttgccc aagtgaagtg 420
 cagccacctt ctcatcaagg tgcttgggca aaacgtaaac cttcttctcg tacttgccgg 480
 tactcttctc cttccacaac tcaagctgag caatga 516

<210> 41579

<211> 520

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910016h07d1

<400> 41579

gtgttcaatc acgtaatttg tttcaactat tattttgaaa gcataggaca cgacaaatag 60
 tacacaatat aaagccagaa caaacattgg agatattata tatatatata tatatatata 120
 tatataatcg tacaatTTTT cattttggaa gtccaaatat acagaaaaat aaaaaacata 180
 aaagcatttc aataagaata tatcaactat gctccctgct ttatttcttt ttctgcactc 240
 ttttcttaat agattttttc ttcttctctt attcacacca atgaacaatg agaatttttc 300
 tccctttgca ctaggcaatc tataaacaac ttgtgtgttg tccaattatt ccttggcagt 360
 gctgtttctt tgcctgatg atgccattag cacagcaaca gccactataa acataaacia 420
 catactccct agcagtatat atgttctttc tgatgatttc ctgtactctc caaacagaat 480
 cagcccccac aaagtgttta caagtggaag tgcttgact 520

<210> 41580
 <211> 394
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910016h09d1

<400> 41580

ctaaaacccc cctttggatt ctttttttta attctgggtt tcttttttcg ggcggggttg 60
 tggataccgg ggtatacccc ctaagtggac ctccaaactt aacgggggaa accctaaaga 120
 cccaggctaa atttctccac ttggaacttt aatcccgcta agatggccaa ttttccctc 180
 cctcctaac tttgggcctc caaactcagg ttccccatca gggggggatc tcaatcagcc 240
 ttggagttat ccaactccgc atttacgggt ttccccctta atttatgcag gctttctctt 300
 ggggaaaggc tccagctgtc caaagacttg aaattttccc tggacaact tgggactaac 360
 aatttaaact cctccctcca ggggttatgg gaag 394

<210> 41581
 <211> 503
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910016h10d1

<400> 41581

accatatata tatagagaga gagaatacga agcacactga tcacaggatg atgctctctt 60
 taagtaggga agcagatctt atcagtacac ataggtaggt tgaaattcta gctctagcaa 120
 tctagctaga gaaggtagta cttgcacaac acacagcaca tgataattta ttttatacac 180
 aatctcattc tcatggtgct caagatgcat ggactaatta agcaacaatg ttggtctgat 240
 aggcagtgtc cacagataaa ttgggtaccc ataaaatggc cttgcttcca aggaaatggc 300
 aaacagggtt agttccagga tcaactccca taagttgatg aagcatttga tgattcattc 360
 cagaagtatt tgagtggcaa atagcaagtg cctgagtttt ggttccatca ccagccacca 420
 atggaaccat gaaagctggt gtttcacgga cttcatggca gtaaaatact gcagttctga 480
 aatttagcct atgacacatc act 503

<210> 41582

<211> 409

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910016h12d1

<400> 41582

cagtagcatt taataaatta gtaagtaggg ccttgtgttg ataatcgaat acaacaatag 60
 tagagttaca atatatatta taaaaaagag caaagccaaa gcggaaagcc atgtcagggt 120
 tttcaaccat tcaggccctg cctgtcaa atcaaccaccgc atccttcaca agttcttcta 180
 gcagcttccc ctctacttcc ttcaccaaaa tatccatctc caatcccata agtcaaccc 240
 accctttgcc cacaaccttt tttctgacaa cactctctac caccaggctg atactgtccc 300
 cacaatccac catccaaaca gaacttatag cactagatat taactccttc atctgtgcca 360
 caatgaggtt caccaatggg ggagatgcag tttctgggac ttggaccct 409

<210> 41583

<211> 81

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910017a02a1

<400> 41583

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaa aaaaaaaaaa g 81

<210> 41584

<211> 382

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910017e06d1

<400> 41584

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caggacgtcg ctctcacat tgcaaatttt ttaaattttg taccaaata ttacacttgc 180

ccttatttta caccctatta atagcccttt gggaacaacc aatgaaaca acccgaagtt 240

tccatcacta ctaaagagat caccttaa atgtggctaaat tcaccagggg aaatgtgatc 300

aggaagcttt tgctaaaatt atagacaacc actggctgga ggcgaggtat taacaaaggg 360

tgcaaggaat tatgtactga gg 382

<210> 41585

<211> 379

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910019a01d1

<400> 41585

atgaacactg catggttcaa aattaaanaa agaaagtgta acacaaaccc agtacacaac 60

aagtagtggc gggcacatgg cattgaatgt gcctatagct tctttatttg gggctctctaa 120

tcacaccatt ttaagggaaa actattcatc ctaatccatt tagattgggg taaccatacc 180

ctttggtgat gattcttctg aggccacact tgcaatatca actttaacag atttcttggt 240

aacaaagtta caatggtttc tgatttctcc tttttttcca gtgagcacac caatgttacc 300

catcttaatc attgaagcct caaaggcgtc aaagaaaact ttctgggcac tggatgaacct 360

gttgacaatg gggatggta 379

002220.000000

<210> 41586
<211> 526
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910019a02d1

<400> 41586

attaaacact tggttttttac tcattgcatt acctgcagat gctagaaata ttatgttcgc 60
tggctaaatg gaatttgcca cgcttgatat cgtaaaagta tattactact tccatcaaaa 120
atttctcctg tgaaagacag aatataaaaa tctaaactta cgcttccccg caaaagaata 180
aaaaataaca aaacaaaaat gaaacataga atatgttgat aggggacaca ttgaatccat 240
cttgaactcg aatcctccgt gggccttaac caacatcaac tgtttcttca ttcacgactg 300
aagtattcat cccacgtgg tcgtcacgca gttatgatcc cacaccgagc agagtgaaaa 360
cactcaactc ccaaagtccc ttctcagctt caccatctct ttccaccca gttgccgtca 420
cgcccaccac cattggagaa cctaccattc ctgccttctc cacctctttc accaaacctg 480
tagttccac caagaccacc attatcacca aatctgccac cttttg 526

<210> 41587
<211> 513
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910019a05d1

<400> 41587

cattctgttc ttacttaata attataatgg gagaacacaa ttatttctgg cagaatatag 60
caaataact ctccgacaca ttttgcggtg ctacagattc tttccattgt atcatagtaa 120
attaaataaa tgtgtaaggg ctcaatcttc attgatacaa gccctgtaat acatggggca 180
atattcagca caatagcctg acttgactat gtacagtata cacagtcttt gcgcacccaa 240
attctcttat ataaatcttt gtttttggcc aggcagtga tgattaggcc ttggcaatct 300
tttgaggtat acttgaacaa ccagaagaca aggagcacca attatgaact tcaaataatt 360
tttatatact gaaccttaata tgatctaaac cacacgtatt tggtaaattg ctgcatcata 420
aggtcctaac cgcataggac tcacttgaca gcttctttgc atttcctaga catttgttac 480

<210> 41590
 <211> 346
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910019a11d1

<400> 41590

agcatcaatt tgagggtggac atatatatct acatctcgca tgccatattt ggtcctttaa 60
 cattaaattt ctctactcct ttttagctaaa ggagaagctt tctcgttatt cacataaaac 120
 tcggattcca ttttaattttt accaaaccta agagacacaa gagccgaaga ttgaaaggaa 180
 aaaaaaaaaa gatattttatt ttttggggac cctgacactt ttttcatttc ttttaaagcc 240
 gccccaaaaa aatccccctgg ccccggtttt aaattcctcc ccattttttt ttttgttttt 300
 tcaaaacctt ggaaaagggtt ttggaaaaaa tggacccttt tccaat 346

<210> 41591
 <211> 433
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910019b01d1

<400> 41591

agtaagaaat ttacctttgt attgcatcca ctatttagtg gttaatctat acaggttacg 60
 ttttaagttt aaagaagcac tgtgaaggaa ctttccagat ataataacca acaaacttct 120
 agcattagtt aatttaacca aaaagggttt cctctaata tagcctgtgg aaatcatatg 180
 cagtaatact cagtaagaga cattcctgta aaaattagag ccaattagaa ggtgacattg 240
 taacttattg ccatcacggg tgagcactga gcaatcatgc tgccgaaact gattgagact 300
 tttgttgagg tggatgcca agccaagact tcaccatgtc gtatgtggtg aaactaattg 360
 cagctgaagg aacaatcctt atataggtaa tgcttacgcc atgaaacagc tgcttccatc 420
 cttgattacc aac 433

<210> 41592
 <211> 490
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910019b02d1

<400> 41592

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aaaatgaatt tatttcagtg aagggtgaca ttaatattag ggaagacaga atgacgagaa   60
ccaccgaaca ttaccatata tgatgaagga tatagaatga caacaatctt aagagatgca  120
atgtaagatg acgggcccac ttgcatttgc cttactccaa cagttgtgaa gcatttggtta  180
gagattatga gcttacagcc attcctcggc tccacatttt ttagactgtc agccaattct  240
gggtagagct ggaacacatg cacatgcacc agtcgtaagg cagtcattga ccaaagttct  300
tctggaagct ttgacaattt atcacaggat ttaatgacca gatgtcgaag tcgaggcatt  360
gcacctatct ctaatctcca ttgtacgaca ggcatattct tcatatgaag cacttgaagc  420
tgcggggaact tttccatccc aatatcaaga acctttaacc acgtaacact ggaatattca  480
tcaaaatcaa                                     490

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<210> 41593

<211> 485

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910019b09d1

<400> 41593

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cttattgcct tgaaggctcg gtgcagttag tactagtacg tggcacacta tgtaactcta   60
ataattcacc tatgtacaga aaagatctat atgtgtctac taacccatgc ttggttgagc  120
ttctgatgca ttgaatgtat cagggtgaatt agaccactt tttctaccat tttggtggtc  180
atcattctgt gactgatctg atggcattgg tgtcttagga gattaaagtg gatgatgcct  240
atgaccattg gggcgaagat gatgatgacg tccgttatga tgatgaccat tttacctctt  300
actctcctta agggtttcac tctcttttgc gactctcatt gtattgtggg agacagctgg  360
aacagctggt acaaagggtc caattggaac atcattcaaa gcctgaagtg gttcgagaac  420
attaaccaca gtgctcatga agggctctact ccttggcctg tggctaaggc attggtaagc  480
caatg                                           485

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<210> 41594

<211> 446

<223> Clone ID: jC-gmro02910019c04d1

<400> 41596

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 cctgttgtcc gacagagtca cacacaacat aatgtgtaca tgatgttaaa aacaaattaa 120
 cctataaagg gtaacaatga aattgccagt taattacaag ccgttagtaa tcaaactaat 180
 agaagttatc tactaaacaa cattgcttgt tctgtcagtc agtccaacag ctgatagcac 240
 acgcaaaaaa caaacttgcg acaacctcca atagacctaa tatggctatc tcaacctcat 300
 tcttacacac caatgacaat taccacccaa atgtagaagt tagcatgctc acaatggcag 360
 ataaaaatta tactagtatt tactatgctg ctagaattct atattactat gccgtattcg 420
 agggccaagt agaccttttt cc 442

<210> 41597

<211> 561

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910019c07d1

<400> 41597

attaaaataa ttattcaaaa tttagcaaaa gaaaatatgt taggcaaaga ttgccccatt 60
 atccaagatt gtcactacac taatgacttg gtttttcaat tctgtatcca tcaagaacac 120
 aatatatcat tgcaatttac taatgcagaa cagctacagt tactcagctg cttaatgaat 180
 tttattgact aaatgcacca aacgcaaaat gttctttttt gttttgtttc ctttcagaga 240
 cagaagggga ctactactct gcaaactctg cactagagaa tctcaataga cttcaacatg 300
 ccattgtttg ttctttcttaa gttgtgaaag cttctcttcc caactttctc ctctttgctc 360
 agcaaccttc tttagtgtat cttggatccc aggcatcatc cttttcagac cacagaaata 420
 aatgtgggcc ccattatcca ggagtttgaa gatttcatca cttgactcct ctatcttacc 480
 ctgaacatac attttgcccc catttttggg cttttgggtc ctgctgaggg ctcgatcata 540
 gcggaaattg tccgaatagt c 561

<210> 41598

<211> 490

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<212>          DNA
<213>          Glycine max

<223>          Clone ID: jC-gmro02910019c09d1

<400>          41598

atgaacggta tttatacctg tctatgaatg catgagttgc agcgggcaag caaatatctc   60
tgcacgtca caataatgca cgtaacataa gccaataat cataatacat gtacttgtgc   120
acgtgagcat cactgcttaa aaaataatgc aagtctcgct ctgcaataaa aatatgaatg   180
tcgcaaccca caaatgaaga ttctggtagg atgcatccat tcttctatag gaattaaaca   240
ttgcttctga ttaagcatct tctgatcttt ggacacaccc aagctagtca atcactctta   300
tcttgttgta aaccaacatt ttgtaggtaa tgttctgcat ccaaagctgc catgcatcca   360
gtgccagcag cagtaatagc ttgcctatac ttcttgctct gaacatcccc agcagcaaac   420
actccctcaa cactgggtctt cgtcgtcccc ggcttcgtca ctatatattc atcagaatcc   480
aattcaagct                                     490

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<210>	41599
<211>	496
<212>	DNA
<213>	Glycine max
<223>	Clone ID: jC-gmro02910019c10d1
<400>	41599
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tcgagagtcct accgaattta cttagaatth ataaagtttg ctcagaatct actaaaaaca 120	
gaattttactc aaaagtcaat tcgcagagaa caagtcaact cggaagaatt tgatatccat 180	
gccttttaggg acacttccta cttcgctggg cgctcgctcc tcaaactaat atcttcatcc 240	
cattttacttt tgaatagctt aggctggggt gtttggttcct taactcagggt gtgagggttc 300	
gtccatcttc cacagtttga ttgccttggg aaaaagtttg cgtaagggat gatagttttc 360	
tcaactctac ctccatataa atagaatctg atggctccc tttgaataga aggaaaaagt 420	
atgtcctgtg aaccaatgaa acatttcacg catcccagaa ttcaatgatc tttctttgta 480	
gcccctggaa ttttga 496	

<210> 41600
 <211> 476
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910019d06d1

<400> 41600

aaaaagttgg ttaaaataaa tgtatatata taccaatgaa atgaagaaaa agaaaaacca 60
 aatatgtata agacatatgg agctaacctt gccaaagggtt tgggggttagg ttatgttggg 120
 aggagttgat gcaactttcc ataccagcaa tgttgaggat atcagtgtga gagagaggtc 180
 taagacccaa gaaatctctt gtcagggcctt cattattgtt tcctctggca ccgtcatcgg 240
 cggtggttgt tttcgtcatg gcatcgccac cagcaccacc aaaagtgtcc tcaaagaag 300
 tcccttcaaa ggggtgaagag acagagttga tgatatggtg aaggagtga ggagaaacac 360
 cattaccaac agcaggaaca gttttattcc cgaaaggtag caagccatgg agagtggggg 420
 tcatctggtg gtcacgtgag gacaaattca aagcggcatt ggcagacacg tgagcc 476

<210> 41601
 <211> 565
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910019d09d1

<400> 41601

catacaatat tatgcatttt cataattctc aattttttatc atgtatatgt aatgaggctt 60
 tcaccatcgt ccagccccc aagactggaca aaagaaagtt tttgttttac aaaagaaaaa 120
 actgactaat aatttttcctt ccacaaatca tcagcatggt cagccatagt gtgcaaaact 180
 taatggttta accgtttaat ttaaacaagc tgactacag caatgaccct tagggcaccg 240
 ttttgaagaa gatcagcaag ctcatcaaat aacagggcag ttcgccatcc ccatccctta 300
 ggagcttttag gtagaagagt gcctgtttgt ttaaagcttc caaacaccgt cttttctctc 360
 ttggatggga cgggtcaactg gtagcgtgca gtcacctttt cccgcgagtc aacatacata 420
 tgcacctttc tatgtatata agttacctct gccttccgac ggtgaagaaa caaccaagg 480
 gttcgccgtc cctgggggtc ttcattcatta aaagcttgta cactgacctt ccacagagaa 540
 ccagcttaga aaacttttgg agaatt 565

<210> 41602
 <211> 579
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910019d10d1

<400> 41602

gaaaggaaac tttattatta tttcttttaa aagataaaaa tgggtcttat atgtataaat 60
 tagaatccca gtgtcatacg attattatag gtacatccaa agcaaatagt aatatatatg 120
 acaatgtgag taatgattat ataaatagca tatacaacaa aaattcgtag gttactctat 180
 aaaacggtat atggtaattc ttcagcaatt tcctgaataa actggaatcc catttatttt 240
 tctgtacaat attgctgttt cttggctgta tacaggggtga agattatcag ggtaaacttg 300
 ttcacccttt aacatcagca attatttgct gcaaacatit cataacatag gagaaagaag 360
 gtcgtctcca gtgttccgag gccagcaga gctcaatcaa ggcagccact tgaggattca 420
 catgccctgg aatctctaac cttttgcca taaaaccaac agatgagaca acctgtgaag 480
 gatttaatat tctccatggc tgggtgcaggg tctactagttc ccacaggata cagcaaagct 540
 gaatacatta catttttcgt tgacagtttt ctcaatgac 579

<210> 41603
 <211> 492
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910019d11d1

<400> 41603

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 agctaaacaa aaactccaaa ttccataagc ctattttggc ttcaacatac ttccctttta 120
 ttttccaatt tccatttttc atcatcatca tcatccatat tattatttcg gcctgttatt 180
 ggtcacctga aaagtgaaga ctgaaaaacc tccccggaat cacgtacaga aaaaccatta 240
 tattatttgg gccaaccacc gaaacactca aacacagcct aaaaaagaga cccactccc 300
 cgaacgtttg acctttgact gacacaaaac gacgcccaca ccccatggta ctattgtcgt 360
 gcaatcacc acccacttc cccgtcgttt catcaccgac ttataatttt tttttcactc 420

cctccctcct cccaggttta ctatcactac tactgtgccg aaatttcctg aacaaactta 480
 ttcaaacgaa tt 492

<210> 41604
 <211> 442
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910019d12d1

<400> 41604

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 taaatttaaat ttaaaccacac agcaacgcta tcaaaaggat attcaaggaa catcacgaca 120
 ctgcttatga ctctctcaac tcaccacaga attgatcaat tgacactcct gttttttaat 180
 gcagtaaaca agaggaagaa aagtaaaatg taggtgcaac tttcacacgt gtcacatgac 240
 aatgatatca ctacatcact tgtaattcc tctgcagttc tttctgatct ctccccttga 300
 ccctgttaaa ggagtaatgt ttcccatctt aaccatggac ttggcaaatt gttcaaagaa 360
 aagatcgttg ttttctgcat actgcttcac taaatccgct gatacttgat tttttgtcaa 420
 gagaatttcg tcagaactta ag 442

<210> 41605
 <211> 419
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910019e07d1

<400> 41605

cggggacaag gacccatgaa aatatttcaa atattaacta attctgcaaa aattttggaa 60
 cattttaaaa aaacctaaac tttttaattc tttttacatt ttaatgaaac ttattaaaat 120
 tccggctgac ttttccttta ccactgttcc ttttgaaaaa aaacaccccc aaaccctaaa 180
 tttggaaaaa aggattaact gaataagggt gtccttcccc caaagggttaa ggcctttttc 240
 actgaaacca ggttttaatt tccacggcaa aaatttggtt tatttttagc atcttcctaa 300
 aattcctccc aaccttaaaa gttttcctga acccaattac aagctcccta tttttaggaa 360
 caacctttta ctccctcata aaaaacattt tctgacttta taaaaatttt tttgacaaa 419

<210> 41606
 <211> 369
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910019e08d1

<400> 41606

caaaatatat tttttatattt gaatcttttt gaggccttttt tggggggcaaa aaccctaaa 60
 gcatttttca cacaacatta atgacaacat gggttgggtca ctttttaaac aaccagact 120
 ttttaggttc aattaatagc ttattgaaca tgacaaatgc cccgttgaac gggttccttac 180
 aactgaacct agggaaagaa aatacgaca aaccctaaaat cacgaaaaac aggttaactg 240
 aaaacagtcc gcttcatagc attgctgaag ggctttatat cttaaactag gtatttacac 300
 tttgggacgg aatctttcat attacatggc gttccgcaa atttacctcc agcctttgca 360
 tttttcctt 369

<210> 41607
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910019e09d1

<400> 41607

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 gtaatagttg agaggctatg tcaatgtctg ctaattaaat tacagaacag agagaataaa 120
 acaatggaaa ggaaaagaag aaaaaacata tgtttaccat gtgcaaccat tagatacaag 180
 aatcaccoga tattcatggc atcctacaca aacctcccaa aatctcaatt ctgttaaadc 240
 atgaagggga ttgaaccttg atgctttcca aatgccattg ctgcttggct ccgtaagtaa 300
 cgaatgcca tcggatcatgc atgctcaatg accgtttttt acttttagatg aaaagaatct 360
 actgaaacct cgggtgtgtt tctccggtgt aggagtgcaa gaagctgacg aagaggttga 420
 cttagtaagc ctgtgggttg gattctgtac agaagatatg gctggaaagt ttgactcatt 480
 atctgatgga ctgtataaac tgtagaaaa atgt 514

<210> 41608
 <211> 410
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910019e10d1

<400> 41608

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 ccgaacgggg ggggacccaa cattttccat ttttaaggaa caaacccaaa gcaaagcctc 120
 caaaatttta ctttttcaac ccttcccaag gggggcataa aaaaaaaatt tttttttttt 180
 tacacccctt caaaaaaggg ttttttaaag ggccacgaa gggggggcct gaaaaactca 240
 ccctaattggg tttgatcatt atatcaacgg ggcaaataaa aacctccgga gcttttcccc 300
 tttgaaaacg ggaattgccc gtgttttttt cttttttccc cccgccttta aaacaaaccc 360
 ccacgccttg tttttggggg accggggaat cccccaaaaa ggggttcccc 410

<210> 41609
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910019f01d1

<400> 41609

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 ggtcatgcag gaataaaaaa ataccagcag accaagaaaa ccataataac caaacgcgtg 180
 tgacccatcc atctacagca gtacactaaa gttagcaacc tgactcagca tagcaactgc 240
 ttcaacggta aaaaatttcg ttgcagctgc tgccaagac acatgaaaaa aaaacctaaa 300
 acacatcaaa tcattaaacc gttcaacaaa gacaaaacca ctaacatcat tcatgactca 360
 gataaagctg cccaatcaat ctccacggaa gggtagcttt tcaagtccaa cccaagattg 420
 catgttgttt tacaagaatc cgagaaatcc aggaaagtaa tatcggattc gggcgaagaa 480
 aaagaagaag atattcattc gacaacgccg aggatgaaga tgttt 525

<210> 41610
 <211> 60

0953443.032200

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910019f12a1

<400> 41610

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<210> 41611
<211> 499
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910019g02d1

<400> 41611

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catcatataa attcatcctt ctcattcttg cattgtctac tttgccatca gatttttact 120
cttgcgacca aagtcataaa attcccataa aggaagcaga tatggcaaga gaatgatcaa 180
gctagccaat ttttcatccc atttagagga taaactgtat aaatgttcaa cttgctcaat 240
tcacattaaa acaatctaata gagatactac atattaacaa cttgagcttg gtacaccata 300
atgtccaagt taagcagaac tttcaattgt accaagcagt gttgcagaag gggattggct 360
actcatcatc ctcagggtca aaatccttaa ccttcacatc tgcattctt ccatattgaa 420
tgccgttgtc aatttggggc cagacatatt gaatactttt ttccttcctt aagtctaattg 480
gcataaaact caccatgct 499

<210> 41612
<211> 400
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910019g06d1

<400> 41612

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ttacacagca cgctatcctt acattgctag agattgggga gcataacaca gtttataatt 120
tctatgatac ctctatgtga caaatgattt acagtacgat tttgtaatgt gattcagctc 180

aaggagaatg aacatcccaa ttccaaactt attttacaga taaacatcaa catatactgt 240
 aaatttttat cgagtagaaa tgtttcaccg ttttaagatgg acgatacgaa gcatgacgtg 300
 caaggtgcag ttacacgggc atatcgggca ccacatctct ctgcatacat ttaagccaca 360
 acaggataag atgcacaagg tgcaacaccg cacatatctt 400

<210> 41613
 <211> 383
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910019g07d1

<400> 41613
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 aaagacatca agagggaaca aagaaaatat atgttaaaga aagaggtata aacattcttc 120
 aatagtgtac aagatatata gctgaatcaa gcactttagc ctttagttct ttactccttg 180
 agaatgtctt gggtccttgt tattctatct ctcaggctca catttggttt aactcattct 240
 gaggtggtcc atgacaagaa gctctcctct gctgttgcat gtggcactgt ttactgagac 300
 acatgctatc aaaaggattt atccacaggc gaccatttca ttttaagggc atttgactg 360
 ttgatttttt tttttttaaa aag 383

<210> 41614
 <211> 476
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910019g08d1

<400> 41614
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 tataacaacat tatacgttac acatgaataa attcatacaa tacttgcatc atatataatt 120
 tgagaacgag atataaaatt ggaacaaaaa ccacaactgg aagggcctgt ggtgcggtaa 180
 gtaaaacagc cacgattttc tattgtcaca aggacctaatt tggccaccac taaaccttct 240
 ttaagtcttg cagtgaatac ctttcggata attttgccgg aggggtggttt aggaatacag 300
 tacgggaaaa aaactctacc tattttcttg taaaatacca cctgttgtga aatgtatgtc 360

tttatttcat ccacgggaat cttagaacca tttagacctta caacaaatgc acctgggaat 420

tttttctgca ggttcatatt ttatacctac aacggcagaa tcagacatgt ttgggt 476

<210> 41615

<211> 462

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910019g11d1

<400> 41615

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ttttatcctg aaagaataga cttacagaat aagtcaaac aaaataaaag atactttaca 120

cactagctat ttatcagcat caatgactag aacgatgcc aattctacat acgtgaccct 180

ccacagaaat gtgcatcctt tctaacgaaa atcacatatg ctaagcaaaa tcaaataaaa 240

attacaaaag aagaaaagaa ttttatacga ggaactactc aaaacaatgg gtttaaaatc 300

atcatgatgc tgttactgca atagatgaat tagagctttc tttctctggg gggggcttaa 360

tatatttccc tatcacttgg tggcgaagac gctcccttat tctgtgtttg ttttctatac 420

ttttctgggt cctcatttcc ttctccttgt gccttaagct tc 462

<210> 41616

<211> 333

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910020a01d1

<400> 41616

cttactcatt ctctttttat aggttttagt ttcttttata acaacacaca attctttcac 60

caatactcat aacaagacaa acacctgcc cccctaacy gctaaccaa aaaaaaaagt 120

cctgaaaaaa aaaaggctag tgttgaaaca tatacaacca cctaaagaac accaaaaacc 180

tttttaccac cactttacc ttggccagat caaaaccccc aaaaaccacc gaaattaaac 240

caacctcccc catcaagtca acaaaaaaca ggacatacac cctatataaa gccgcggaac 300

acccccccct ttggcaaac aaatcttaaa aac 333

<210> 41617

<211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910020a02d1

<400> 41617

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 aataccttac gattgttcca gtctaccaat catgtctctg atggaaataa ttcaactcca 120
 agatcatctg gtttcagatg atagatatat atacacaatg aaatcccttg atctatggac 180
 acaaacatca cacgatccaa atccaatgac aacaagacta tcactactac tgctgatact 240
 caggggttaa tgctagagcc tctcggtata tcagttcttt catctgttcc tccgtcaaag 300
 catgttggtc aaagtcaaag ttgaaggag tcatgcacac tggttcatca ctgatgtcat 360
 gcagagatgt caagtacggg tgcgccagt catcttcaac agtaatcctt tttctaggat 420
 caaaaagtaa cattttttca acaagatcta tagcttcagg atggacatgt ggaaactttt 480

<210> 41618
 <211> 424
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910020a05d1

<400> 41618

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 gacttcgaac catatatttg ccgttactcc aagtaataga tccaaacaga tcttccttca 120
 aagaggtcaa agttgaggaa aaaataactt ggtagccaag ttttttacta ctcttagcaa 180
 actgaagttt atctggagtc actgagactt ttactccact gggagcttcc acaacgggag 240
 agtacgctga ttcatcttct tcaccaacgt ttgtaacagt tctactcacg ctcacgggtg 300
 ctttgccgga gaaagttact gctatggaag ggtagttgat gttggagatg agaacaaaac 360
 ttgaatcctt aaggcatctg aaattagcag ggacagatct ggagaagact ttaaccgtgg 420
 ttat 424

<210> 41619
 <211> 479
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910020a06d1

<400> 41619

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 tggcaataag gaaaagcata aattccccctg cagtgggggtt tcttaggcag gaaccctga 120
 tcagccttca caggtgcagg ttatttactt gataaatgac aagtcagcta atttacgaga 180
 aataggtcga aacagacagg gatcatagta gaaaaactaa agggatcat cagtcaacat 240
 cattccctga ggcctcagat attctaacta catcacctag acacaagcct cttgtgtagg 300
 tgactgctca gtttgcacgt tctctgagga cttcaagatc catctctgtt gggctctgtg 360
 cctgaatctt ataatggatg cccttgcagc tccttttgaa cctgtccttg gatgttgcac 420
 ataagaatct tcgggcgaaa tgcggggccac ttgaaggag cccatgcaat aaaaaaaga 479

<210> 41620

<211> 466

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910020a07d1

<400> 41620

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 gaggagcaga aacaaaatcc gaacctaatc ccgatccac ctatatatat actaaaaaca 180
 aacaaaaaaa aaacataaaa atgaaaatta aattaactgg tgtgaattca tattcaccgt 240
 accaacaat tcaatttcaa tcaaattaaa ataaacattc tgtgaacaaa tctacgcctc 300
 ttcattatct tccccgaaa acaaacggcg cctcttggcg gttaccggca acgggctttc 360
 cacctcttgt tcaacgcaa ccttcttctt tccgaaatca aaccccgccg gcgaccagaa 420
 ctccgtcagc ggagccggaa gggtcgggtc aaaccacgg aacgcg 466

<210> 41621

<211> 508

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910020a08d1

<400> 41621

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 cacatgtact aattttaaaa tcagaataga gaaacggtac tatttttagtc actaacaact 120
 atttcactgt ggaattccac agaataaatg tatgcattaa tagcatattc atcataaaat 180
 caattacact taaaaaaaaa tcagttgagg ctttgaccag ctgattgata tgttttggtg 240
 agatcaagtt gttaagtaag tggaaattgg aatgtcaaag ggagtaaaag ggtacctttc 300
 ctcgagaagg taaacagcta acaaaatgag tcaaaatatt gctttatttt gtaaggaagt 360
 ccctccttct ttttaccagt ctttttagcc attgccatta ttattattat tattattatc 420
 tttctcctgt cttccaccac cacccttgaa ctaataatca tcctaataaa aactagttcc 480
 cccagaattg ttctttggaa gcacactc 508

<210> 41622

<211> 458

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910020a09d1

<400> 41622

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 agactttaaa tcacagcatt ccaagataat ccaataccca acatttttta gaaagcetta 120
 taacttttaa ctataaaagc tttgccc aaa tgaagttacc ctgcaggcaa atttttcatt 180
 cacatttagc ttagttatct tcattggccc ccaaattatt ctttggcaca tctttggatt 240
 aaccctggat ggcaacacca aggggagcag catccatagg tattatcttc tcaattttta 300
 cacccttggg gtgctggttt tcataggctt aaatgtgccc tccaagggtt ggtttaccag 360
 agggatcaag ggtgttaaac caagcaggat cccactcaac agctttgggt gtgctacatg 420
 caacacttgc tcctccagga acagtgagcc tagctgaa 458

<210> 41623

<211> 542

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910020a10d1

<400> 41623

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acctgctaac taacgctgag atgtgggcca ggcacaatga caaaacccaa gcatacaaca  120
ctcaagaaga tttattcaat gtaattccac taggaaggaa cctaatacgg ctacaacggt   180
ttaatttggc caaagcttcc tgtggcttac cgagcaagag atccacataa actgcagtaa   240
gagtggcttc tggactgtta ggtaataagg acaatgcttg cgcaaccagt atattggatt   300
tctcaaattc accctgcacg gccgacatta cagcaaaatt tgcataaatt gttgctcgtg   360
cctcctctgg cttgaggaaa acaatactct gagtgccttc aagagaagaa ttcttagcag   420
ctgtggatcc ttcattcacc ttcttaaaat cggcagtcct ctccggttgc catttctcac   480
agtccttttag gctgaaaggc aagtcaacat tggtttcccc agacaaaatg aatgacaagt   540
gc                                                                    542

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<210> 41624
 <211> 338
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910020b01d1

<400> 41624

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agtgcgaaat ccataaaat gaccacaaat tttttcttaa aaaacattaa tctactgcct  120
tttaaggggc cctgggactt attttgtaaa gctcaaaagg aaattgaaca aacaatggga  180
acccttgcaa gttggcgcta cctttaactg ttaacgcaaa agggaaaaaa aaaggggaac  240
gcgccgtaaa aatcttttta tttttaaatc tcctcctggg taagggatat taaaaggggg  300
gttaciaaac ttgcttccaa ggtaaaccct gcaattga                             338

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<210> 41625
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910020b03d1

tgctccttgag ggcccagcac ttgcaggcca aagcattgga taagagatgc aagaagtgtt 300
gccattcctg aagtagccaa attgacacca gggcacattc tccttccaga cccaaatggg 360
aagagtgtga aatgctggcc cctaagatca agaggccct 399

<210> 41628
<211> 222
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910020b11d1

<400> 41628

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tattatatat ttccaatctc aaagccttcc catatttcac ccatcataag ttttctatca 120
gcctatatct catcaatggg atatcttcac tcttatagtt ttgctggata aatataactt 180
gaaagtctaa ctctattctg tcacttccta attagacaaa tc 222

<210> 41629
<211> 382
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910020b12d1

<400> 41629

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agaacaacgc tgcaaaaaag agcggccac aaaacggcaa agacaccatc aaagaagggc 120
aagcgctaaa acgctcccg ctcaccacga ggaaacctag aaacgagacc gcaagcacia 180
ccaaagcaga gagagcacca agaacgccag cgcctctaca agcaatgcct taaagccgca 240
accgctcaag gacatctcag ccaataccga gctgcgaccg caaggcggat cgcgagaaat 300
tgggacccag cataaaagaa cgcgagcgag aaaactgcaa gatgaagcga aaagacgaca 360
aaaataccga ttcggagaat cc 382

<210> 41630
<211> 225
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910020c05d1

<400> 41630

acaaataata tattattatt tagggatggg gaaaaactaa gaagcatcaa ccatttaacc 60
 caataactac cagttcatac taacattaac agaacaccaa aacaaaactg gggagcctac 120
 actacttgaa atcttataaaa aaaaataata aatttattga gtttaagcaa aacttgccac 180
 cctacccatg attagcaaaa tgggtctttt tccctgggcc ctccg 225

<210> 41631

<211> 397

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910020c08d1

<400> 41631

gatctctaac gaaaccatta atagaaacaa aaatggggtg gtgttagtat caccattttg 60
 ttcgtctctg aagacaacat atatagaaca tatatagatg cccttaatga atcgaatgaa 120
 tcttcaaaaa tcgcaaatta gatgtttgtg aattaattac atatgaaaaa taatgaagct 180
 ataatctccc attatttctg aatcacagac ccatatccaa tctcagttca gcctgaaagt 240
 taatctctga tcatcatgaa tgacagtatt tcaccacaaa atcccgggtga tgaaactcat 300
 gtgcccctag atttttagaca aatctaagcg atagtcccag taattttacc cagatgacac 360
 agctttaatg gcgctgccta ggggccatgc ttgccta 397

<210> 41632

<211> 481

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910020c09d1

<400> 41632

attcaaaaca taaattaact gccatttac taaaataata agttgataat gtttatggaa 60
 ctatccggtt tataaaattg tctataatta attatagaat caagagatgc atctaattatt 120
 tgcatacaacc tgcattactc ttttttgact cctcgctttg ccattccaaa tcaaatectc 180
 aaagccgtgg aatcaaaacta atgtactatg atgatttttt atggctgggtt acttagtaag 240

tgtaaccagt ccaatatata gattataaac agcaataatc agggtagacc tctataccac 300
 gtgccaatat actactatta aacacagcat atggctatct aatcaagcag attaacactc 360
 gtattataca gccaccctaa tagctactat ttgatgatca tatagggtgta aattgagcgg 420
 aagagttata ttttagtgat caaatgctga catctctgga ttttggaac ctggtcacaa 480
 t 481

<210> 41633
 <211> 454
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910020c10d1

<400> 41633

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 acaccaccaa gcataaacct acaaaacagt tatcaatgaa acgatctaaa atgctattcc 120
 cgttggaagt taaggatctt aagaaaaatt aacatgtgaa tgaaaaatat tgcgttttga 180
 tagtacataa gccctcatca gtcgtttcca tgaatgggat taaaactcta ttcgatgtca 240
 tcaatccaat caccatatat cctactgatt ttatctggac ctttccactt ctgatgtgct 300
 ctctgtcctg gcctctgaat caccatggaa gaaggccttt gtgaagggac tccaatatga 360
 tacacatcag aatgagcgac aagagtaact gctgcaacca cattatcggc agaagctttt 420
 gaaggcactt ccttatttgt gtcaccagca actg 454

<210> 41634
 <211> 502
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910020c12a1

<400> 41634

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 ctctctcttt ctcaaatcc cactttccg ggttttcgat tcgatattcg ttgttccaat 120
 gagcgatcac ttggtggtgt tcgttgaccg tctcgcgcgc cctgtccccg ttgatccggt 180
 ggcgcagacg gcgcaggtgc cttccgaacc atctccacct ccggccgccg tggatgccga 240

cgccgccggg agctccggca cctcaccgtc ggaggattgc gacggcgagg gcggcgacga 300
 ggaggagccg ctgatccaga tggcagagtg ccgcattctgc caggaggagg atggcgtttc 360
 caacttggag accccctgcg cctgtagcgg cagtcttaag tatgctcaca gaaagtgtgt 420
 ccagcattgg tgtgatgaga aaggagacat aacttgtgag atatgtcatc agccatatca 480
 acctgggtat actgcccccc ca 502

<210> 41635
 <211> 582
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910020c12d1

<400> 41635

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 atgtacataa cgttacagct gcgaaagtaa agagtaaaaa tgcacggcat ttcaacaaag 180
 ccttcttaat attcattcat acataaaaaa taaaaataaa aaagcataca aattattaga 240
 cttgttcctg gggtagagt ggtgatcctg gtgctattgc aaactgtaaa cctctacgtc 300
 gccagattg tagaacgaaa gcaacttggg ttgctgctag tgctgcagcc tcttgtcttt 360
 gtcgccgacg ctgcagaata ctgattgccc aagccatgat gtagcaaggt aatagaaatc 420
 cagcggcacg aagcaagaaa agggagaaaa aattggatgg atcatcatca gaattatcac 480
 catctgagac agaaagtgca tgccccaaga gtaaaaaggc cattaaaatt aaagcagctg 540
 aaccgcaaaa tgcagctcca ctggcgttgg aagcagcata ct 582

<210> 41636
 <211> 420
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910020d01d1

<400> 41636

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aattttatta agcattttgc agagtataa catcataaaa gtgctttggg tcctaagatt 240
 tcggaaatca gacaaactga tccaaatatt cagaaacagt ggtgtatttc acgtcaggat 300
 aagcctcaga agcctcaagg tctttggcag ggtcaatctc atacactgca tctcccttta 360
 tctgctgtga gtggtacaaa gccagcaggt aattatttgg gaaagaagtc tccttaattt 420
 gcttaagaac ttgttctctt ggaacataaa ttttctcaag agtcttccct attttttttc 480
 tcccacaaag agatgatatc atttaaggac aaataattgt tagggagtct tatgtg 536

<210> 41639
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910020d06d1
 <400> 41639

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 gacatttggt cgcagaatac aaatgaattg gcatttggtc gcataactag aacgttaaaa 120
 gaaagacaag agggccagag ataatagagg atagtttttc acatatacag cccttcaggc 180
 accccttctt tcttcttaaa catcacttta tccttggcct tcttaaagtc ggcatgagtc 240
 accttcattc gacgttctcg tagagcaagt aaaccagctt tagtacatat tgcctttata 300
 tcagctccgg agaattcgtc tttagtcata acaaattctt ccaagttgac atcatcagct 360
 aatgtcatcc ttgacgtgtg tatctggaag atgcgtcttc ttgttttga 409

<210> 41640
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910020d07d1
 <400> 41640

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 ctagctagag aaggagtagc ttgcacaaca caccgcacat gataatttat ttatacaca 120
 atctcattct catggggctc aagatgcatg gactaatata gcaacaatgt tggcttgata 180
 ggcagtgtcc acaaataaat tgggtcccca taaaatggcc ttgctttcaa ggaaatggca 240

aacagggtta gttccaggaa caactcccat aagttgatga agcatttgat gattcattcc 300
 aaaagtattt gagtggcaaa tagcaagtgc ctgagttttg gttccctcac cggccaccaa 360
 tggaaccatg aaagc 375

<210> 41641
 <211> 581
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910020d09d1
 <400> 41641

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 ttgaatctcc tctttccagg ggtaaatgat cctcaatctt cttcagaccc ttcattgtctg 180
 ttgtttcaac tggtgtacca tgcagcacga tcttctgaac ttttgtgatc tctgaacctg 240
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 aaagtaccgg tttcccttta aggttttctt cagacaaatt tgccacatca cttgggggaa 360
 aatcattgac attactaaat cccatgtgct ccttggttaga aaagagcttt actgtcttgg 420
 ggccttcttt ttaggacctt tgataacaaa ggagtaaagt ttaacgactt gagtgatagg 480
 aatttagagc aaaagctgct cgtctgcac actcttcaga tgcaaaccat cggcttctct 540
 ataaccccg ttagatagcat tggggataga gtgggtggag c 581

<210> 41642
 <211> 588
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910020d10d1
 <400> 41642

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 ttctccattc tctgaacatt tccaattgta ctcccaaat aaataaatga aagacgttag 120
 atgggggttg taacacttta agtacttcac taatcctgct atttgcagca aaaaaaagaa 180

aaaagaataa acaaaactca tcctagttag gcgagcgaga cttaaggaag gatgatcaac 240
 aatctccatt ccaaatgcct gtgtagcctc caatggacta aacagaatac ttctggcatt 300
 tttcatgctg ctttcttcat ttctttagt gtaggttagg tgaacagaga agagagagaa 360
 gatgatgact tccgaattga atttcatgag ccatgcagca gagttgtctt tatcaaaact 420
 tcaaagaacc tgagaaaaat cctattatat cacatcttcc actgtaaatt ccaacacttg 480
 ggggtccaatt caacctgaaa ctctntatct ctccattcaa atacacagnc acgtgcttcc 540
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<210> 41643
 <211> 552
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910020d11d1
 <400> 41643

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 gacaagctac aaagtcaagg agggggggct gaactttttg ccgatggacc tctcttccaa 120
 gacccaatct gcactactgc agaatttgaa aatctaact aagagaaaca aaaacaatta 180
 tgaaacaaac atttgattcc attgtggctt caacatgaac tggtagtca aaacttgaag 240
 agcgactcca tcttccttgc aaatagtcct ccagagagac actctgctca gtgctactga 300
 tagaaaccgt atcatcctcc aagtctagta aagcaagggt caagtgggac tgaatgtag 360
 ttggaactgg ttcctcatca catccatcaa gttcctgtgg agcattaact tcttgatctg 420
 cccatcttat cacctgctca tcaccatgcc gaagtttcaa tataagggtg atttgaggcc 480
 gcaatctagg aatgcgtcta atgcatagag tagcggccaa aatcattctc ttgatctggc 540
 aagtgttgta tt 552

<210> 41644
 <211> 533
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910020d12d1
 <400> 41644

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 caacaaataa atgagttgga caatgcgact gtctatatgt acgagtgttc atatacacia 120
 caaaatatga attcgttaga aaaatgtagt agcttagaag tgtgcatgta ggaacaaaga 180
 gacatgtaaa tctcattgtt ttttatacac acttctctcc aggagtcaat gcttctgatt 240
 tgcatatggg gcagacattt ttcacaagta accatttctt taaacaatct gcgtgatatt 300
 cgtgccca tgaagaatt ccaatctttt cttggctttt atattcatcc tggcatatta 360
 tgcaagaatc attttctgt tcttcagaag ctgcctctc caagttaata gcattagtag 420
 gtagtaataa ataagttttt gtcttcattt gacttgtaat catttctct gacaaacctg 480
 tgtttacttt gccaatccgg tcccctaatt caagaagctt cttattagac ata 533

<210> 41645
 <211> 444
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910020e01d1

<400> 41645

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 cttgttttcc cccccccaa aaaatttagg gaaagggggc tttggggggg cccccccccc 180
 tttttcccc ttttttttt tccggaaaat aagggggcgg tcccccccc ccccccccc 240
 ctgggggggtt tggctttttt ttcccccggt ttaaaaaag ggttttgga aagggtttac 300
 cctaagcggg ggggccccgg gaaaaaagaa acccccggtg gtcaaaaaag gcccccttga 360
 aggggggggc ccctgaaaaa aaagggccaa atcctgtggg tttttcccg gcttatttc 420
 cccaaggag ggggcctttt tttt 444

<210> 41646
 <211> 459
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910020e02d1

<400> 41646

cccgatcaa acttaattcg taatttcaaa aatactatgc aagggtctct acaactaaga 60
 aaaccaacat catttaacta atcggaatct cagatgcaaa taacaaacaa aattgaaatt 120
 gtcaagccat ttaacaacgg atacaaagtt ggtatgatgc aaaacatgta gtgtacttca 180
 aacatgcctc ctaaacaaaa tctaatatcc aagccaaaaac ataatagctt aacgcttctt 240
 agagacccca acagtctttc ccctgcgggc agtagtcttg gtgtgctgac cacggacacg 300
 aaggccccag tagtgctca aaccacgggg gtttctgac ttcttttagtc tctctaagtc 360
 atccctgagc ttcatatcaa gagcattaga cacaacctga gagtactttc catccttgta 420
 atccttcttc ctgttcaaaa accaatccgg gatcttgaa 459

<210> 41647
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910020e03d1
 <400> 41647

gaaaaccaat atgaagtttt ttctacaaa aaccttgatg aaggcatagg caggtaaca 60
 aactataatt ttcatgttga atgactgaca acattctaaa gttaatttga cacgcataat 120
 tctattttac attagcagac atatgccatg cagaatctct attaaattaa agatgagatg 180
 atgctttcat tcatttcacc agataattta aatgtgatga gtgtgcacaa tcattcttat 240
 tggtgccatc actgaaacca aattcatgcc tccaa 275

<210> 41648
 <211> 493
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910020e06d1
 <400> 41648

actctagctt tggaccagc ttctttatta ctcaagtgcct tattttgagg aacattcata 60
 taccgaacga ttgcaagtgc aaaattaatt accaatggca ctatgtacct cctttaaata 120
 aaggatacga cagccttaaa acatatatcg tcccttatta agttaattac taaaaatcat 180
 tgatcaccca ctgagaacac gtcatggctc ctacatctg aacctttatg tgcattaatg 240

atgattcatg gtaaaagcga gtaactgttt tggacatcat caaactccat ccgtttctgg 300
 tgacatagca tggatgccac atagatgatg ccctaggaac gcgtgtagtt ggaacaaatg 360
 cctgagcaca gaaggctgga tcaatctgca gatggcggttt tctggcagaa cttgataaag 420
 ggaacagctt aaacatatgg tacactctaa ttacacgac gccctttaaa agccggccca 480
 tctttactac aaa 493

<210> 41649
 <211> 524
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910020e11d1
 <400> 41649

cttgaagcgt cataatggga aactcaattg atcgaaacat aaaaagatca acccaagaga 60
 gacatctttg cctgtttctaa tcagtgaaat agtcaaagt gatcgaagca aaagctccag 120
 cttttactag cagttttcca cggctctgctt atctagggaa aacaaaaaac actacgactg 180
 aaatataact atccggaata taacttcgc tcactcttta tccgttttgc aaacttccta 240
 gagttcatca tgtacaccct cttccttgggt gtcttccccca gcttcctgtt ttgattcagc 300
 atcggagtca ttgccagctt catcagcatc ttcctcttcc tcatcagcat cagagtcaac 360
 tgggtcatcc tttgattcct cctcttcctt cttctttctca gcctcttcaa atgctgtctt 420
 ctcaacatcc ttgtgcttgc cccatgtttc ttcagccagt tgcttggcat attcaggatc 480
 atcagtaatt aagacattgt caaacaagt accagatttc acct 524

<210> 41650
 <211> 309
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910020f10d1
 <400> 41650

ggttcaaaat tctgataaaa tttccatggg atcgaaactg taacattgca taaccaaaaa 60
 ataaattgct aataaaagga gaaaacgaaa taaactaaac agttcatttc ttgatgat 120
 gacattatac ctatgaatga tacattaata gtcatgaaac acgcaaatta ttcattccaca 180

cctatcaaga catccattga agggagtgat taacttcaca acaatcttaa tcttgaggct 240
tcttaaaactc gagggtgctta acaacttctc aggtgaactc aggggtcatcc cttccaaagt 300
gtccataat 309

<210> 41651
<211> 436
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910020f12d1

<400> 41651

caaaagcaat gtatacatcc gctcatataa acaaaaaagc gtgggtttccc tttctacatt 60
cacgtgagcc tgatactgcc cttacaaagg caaattctat acctaaaaaa taattttaca 120
tagggtccca actttaccag gcttgaggat tcaatgtatt ccttgataaa ttaagaattg 180
aatataggat ctgcagcaca accactcaat agataacaag agcaacattg atgaatttac 240
aggcaagggg tatgtccaaa taaagacgga cacattcccc caactggatg ttagtgattc 300
atgttagtat tcatcaactt atgatgcatt ctgcatgagg gaggcaatct gagcacacga 360
cttattaaaa ggctgttgca tcatcttcac ttcattccaaac tcttgagatt ggaatgtgat 420
atcctgtgtc tgtaaa 436

<210> 41652
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910020g01d1

<400> 41652

attagaaatt taattttaca aaataaaaag attaacgggtg tttcagctac ccagtctttg 60
aacataggca acaaaacttc agtagagcct aataattatg cactactctt aaatttaaac 120
aatacaagca ggagtgagag ttagatttgc aaagttcccc aataaaaaaa cccatagttt 180
caactaaaca aaccacatct taccaaagac agcaaaaaca agaaaaatgg agcaccatgc 240
atgtaatgca attgccacaa agcttgcaag agcgtgacc tatttaaagc cagtgcccat 300
ttcctttcgc ttcagttcta aagaaatccg ttcattttca agcttcattc tttcattttc 360

tagactcagc ttctccaact cccgatacctt tntcttacta aacctctgcc acttgaatct 420
ctgttttctct agttccagca tctcgacctg aatttgtagc ttt 463

<210> 41653
<211> 328
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910020g03d1

<400> 41653

aatgatacag tcattttttt caattgtgga ccaggtgaga gcgagagcat gcacaaaatg 60
ataattaaat taacttaaaa gaaaacttca ggatcatcaa ccatccaacc aaagatcaac 120
ggccaccgat tcaacaggaa agaaaacaca aaggaaggaa aaccatacac agaagaagat 180
tccggagaaa ttcaataata cacatttttt ttttttatta tttcattttt cccctctagt 240
agtcagtgtc gggaagctgc tctgtgggtgt ggctgatgaa gacaacctcg tagataaacc 300
cagcaattcc accttcgatg agagggcc 328

<210> 41654
<211> 496
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910020g04d1

<400> 41654

ctaaagttaa aaagcactgt ggtaaccac tgtctggaaa gaggattagt agaaaataca 60
tgtttttctt cgctgtagaa attacatgct ggcaactttc gctattgctt ttttccatt 120
gtcattatgt atatttacat cagtgttctg actaagtcac tattttctaa gtctgggacc 180
ataacaatct ccgtgttttc attttcttgt ctacttttg caccacgtg atcctttgga 240
agcacattac agtcgatgat gtgccatact ggtctctcct cttgaaacaa tgggtgcttg 300
catagtgatg gacattgcac tgtaagtgcā tacttgcaag tggaaatctc tgtgattgaa 360
ctaatcattg gtctaggttc ggagcataca aacctcacct tggctctctg tggcttattt 420
gtaagatcac atacggtgcc gttagtatat tgatgagcat gatacccttg agatgcatct 480
tttgaccggg gatctt 496

<210> 41655
 <211> 481
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910020g05a1

<400> 41655

gggaaaaaca atgggggtctc taatggcctc tgttacattt actcttgtat tggctatagt 60
 gtctgtaagc ttgccaacac aaatcttagc tgataactac ttgtactcat cacctccacc 120
 acccaagaag ttcccaccgg agtcttctcc ataccactat ccttcaccac ctccaccacc 180
 aaaatattac taccactctc caccaccacc tttttcttca ccaccaaga agccatatta 240
 ttatcactct cctcctccac cttcttccac tccacctaag aagccatatt actaccactc 300
 gccaccacca ccttcaccaa agaagaagcc atactactat cactctccac caccaccttt 360
 acctccttca ccaaagaac catattacta ccattctcct tcaccacctt tacctttttc 420
 accaaagaag ccatactact atcattcccc acccccacca tcaccttctt caccttacia 480
 g 481

<210> 41656
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910020g05d1

<400> 41656

acattgtatt tttgaaatca aattaagcaa atcaaagaca aactaaatta aaccacgacc 60
 atgatggatc atagaaagta ctagtactat aaaaaaaaaa gacacagaaa tgagaaatga 120
 cttagtaact actggttgag ttattattag tatcaatcac cctgccagct ccaaacaatg 180
 tctttgaggg aaggcctcac ttgctcctca cagaacttaa catactccaa cgtatctccg 240
 gcagacttag taaactccgc caccgccacc ttcggcgcca cctcgaaaac ctccaccgtc 300
 atcgccagct tccccttctt ccctcctctt gtcccctgca tcctcaccac aaactccttc 360
 ttccccgtca ccctaaagtt catgcttttc gccaccgct tcaccttcgc caacaccgnc 420

gaagccgaaa acttgcataat gaacatcgac ggcgaccgct tcctcgtctc aaacaaactc 480
cta 483

<210> 41657
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910020g06d1

<400> 41657

acatagaaca tataagaaaa cttaggattg ggatcatagt agatcaaaaag gtgcattcag 60
ttagaagccc attcgaagta atggcagcga gcacctctag tcgcagtcca atttccacat 120
ccaaagaaga ggctcccttg tttgggaccc ggtttcctga ccatgccctt ggtgtttttc 180
acccacata agcagaaagg gtgatactga acaacggggg tagtgatata ctttgctttg 240
taggggcaat gagggaaaac gattggtggg tctggcgact 280

<210> 41658
<211> 467
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910020g07d1

<400> 41658

ggaagaacag atacatactg gaaattatta atttcttcga aattttgaag aaaagacgaa 60
tacggatctg tccaacaatg aaacctagta aagttcttca catttaaaat tcaatgagat 120
gagattacat agaatagaca agactacgaa gaaccctaac actgtttttt tttttcatca 180
acaagcaaac aatgaaggcg agaggttact gtttgcaaag aatgctgtta taaacaggat 240
aatatctatc caaatcaagt ttgtctaaga tatgttttagc ctaaagataa gaaaaatggc 300
cccctgcaac ataatctgtc atgtcaacaa ttaggaggat cccaggaata ttgaatgggt 360
gggttccagc taatcttaga gaaagtagac tcaacttctg aactctttgg tggatgctcc 420
ccagatattt tttgaggatg atgatgtaca tctgcttgct ttaatgg 467

<210> 41659
<211> 418
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910020g09d1

<400> 41659

atgtattcaa tacataatca ttgtgcaatc ggattaaata aattacacac taggacctca 60
tctttttggg gccctagcga ttacataag ccagcgtcag gaactttatt tgtcggaaca 120
ctaacatttc gaataaagaa aaccactaaa aaggaaggaa tagcgagcgg aagttaattc 180
ccccatgca cgggcaattc gaaccacact gtgatcaatg caatgtgaag aagaaagacc 240
ggagagcctc cactagagcc aaccctaagc caaagatgat ttaagaggat atggtagact 300
tatagtttaa gcttagtagg cacattgggg agcacctggg gctttacttg agcaaacatt 360
gtgaagcaag ctgagtgaga tcggaagggt gtggatgagg cccaaaatgg tcgctttg 418

<210> 41660

<211> 333

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910020g11d1

<400> 41660

acacgttgaa tttatctttt tctgaaaaaa ttccaatcgt acgttgatgc aaattgtcaa 60
aacgtgcaa agtaattgac tacaaaacac gactgtttca ttagatgtgt ctctttcgag 120
taacacggaa ggttggaaca aatctcgta cagaatattg aagacaaaaa tatgtaacaa 180
gattttggca atctttcttt tcttcttcac tatctgtttg tgaactcaag tgactcaaat 240
aagttttccc ctggtatata taggagagct gctgccataa aagaatgctc aaacctatct 300
gcaacgacac acttgcaatg aataggataa gca 333

<210> 41661

<211> 469

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910021a11a1

<400> 41661

agaatgtaac tatgatacga tattgatatt taattctttt ggcgaaacga gctcaataca 60

accgggggtt tttttttacc cgccaaagga aagggggggc cccccaatgt gggaaaccaa 120
 aaaaatgggg gctatagggg gggggggggc cccaggga aaactctggga aaaagcggga 180
 cccctttttt ttttagggaa aaaaacggga gcacccgaaa gagttgggtt tttttgtgta 240
 ggaaaaaata aagccccccc ccccccgga aaaatttttag ggcccaaaaa aacccccccc 300
 catggggaaa aaggg 315

<210> 41664
 <211> 314
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910021c10a1

<400> 41664
 cccccgaaa aaaagggggg gggcgcaaca tttgggtttt ggcaaaaaaa accaaaaagg 60
 gacctttttt cccccaggc ggggaaattt aaaaaaggga aaaaaaaacc ccgggggggg 120
 gcctttttta attttaaaaa aggacccccg ggaaaaaaa aaaccttttt tttcctcgcg 180
 gggggaaaaa aaattcccc caaggcggtt ccccccgga aaaagaaaaa ttcggggggg 240
 gaaaaacccc cgggggggcc aacacccctt ttttttttgg ggggaccccg ccccccccg 300
 gggctttggg aaaa 314

<210> 41665
 <211> 431
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910021d10a1

<400> 41665
 cagaaaatag attctcgtaa actaatacag aagaaaataa agttttatat cgaattaaat 60
 cttttgcctt caciaataat atggaatcct ctatagacac aaacacaaac acaaattatg 120
 ccaagtgacc aagcgaagag aaatgcagcc tatacaataa tacaaaagca cgctccacac 180
 agagaacacc ctaggcaaac ttcaaagttg ggaatcacia aatttcagaa ttgcaagctc 240
 atgagattga ttacaccact tctgtcacac tgttctcttc agtggtcgga gtttccatat 300
 tttctttgtc tccctttgga gtgatagcag taactttaac atcagatttc tttccctgcc 360

tctttaccat gcccttttcc ttatttgggt cttgcttgct tggcttctca gaatttttaa 420
ccaacctatt a 431

<210> 41666
<211> 564
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910021e11a1

<400> 41666

agtaaagaaa gcccatcatt attaaaatta gaaaatccta tggcgggtca tttcgggtta 60
aaaaagacag actccatctt taattcaaaa acataattgc agaaatatct agcctcaact 120
aggaaaatcc tcatcatggg tttgaccttg gaacacttat tacagaagtc gaggtaagat 180
caaaaaaatg tggcaccaac aaatttcaaa agaacacaac gatattataa tgatattata 240
atatcgccac tgctgaataa ttacatattg ctctcctgca attagccttc cagtgtctgaa 300
gctccagaga taatctctat caattcagtg gtgattgatg cttgacgagt tctgctatag 360
gtgagcgtga gacgatcaag catatcccca gcattcctgc tagaactgtc cattgcaaac 420
atTTTTgtc cttgtcact tcaggcattc tccaacacgg gtttggtcat cacacaagaa 480
aactggaact cagccagatt ctgaagaatt tcagcttttg tttccccccc ttcaatctca 540
tatgaatcca attccccgag cttt 564

<210> 41667
<211> 558
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910021f11a1

<400> 41667

ggacgagaag atatttttaa attagaatga ttattttggc acaagcaata cagataaaca 60
tcaaatgttt tacaacctag tgttttaata caaagaagca aggaagaagc aactttatgc 120
tctcaatgga agaatcatag aactctagtg ttgtaggaac cacaactagg gcatttgtgg 180
tagagccagt ggaagggggg ctctcctttc ttttcacaat cattacataa taaaacctga 240
gtttgactag aaatctcatc agaaattctc tcttcagcca acaacgcac taacatccta 300

aaatatacct gcatgtctcc aagtgacttg ctacatatg ggcaggtata attaaagcag 360
 gtatattcct gaaaacatgt tgagtgcatt acatgaccac atgggagggc ttttaccgga 420
 gagcaggatg tgaagatata ttcatgacaa attggacagt tgtcctctaa atgtttctcc 480
 ctgcatgtat gtgtcataag agaacgagac atacaagctt tgcaattata cagtgaagta 540
 ggctacaccc aaaccctt 558

<210> 41668
 <211> 544
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910021g11a1
 <400> 41668

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 tttattttta tatttatata aacgtaataa aaagaatccc tataaaaatg agacccttgg 120
 acagtcgtcc accgtgcccg tgctcatgcc actgcagaat atgcatctaa aaatctcgca 180
 tatagggttaa ttgcatagtg aggttgacgt gtgtataatt gcaacaaatt ttatctaaac 240
 ttcagtcttg ccattgatgg ggacaagctc caaagtctct tcttcatcta ccttatcact 300
 cgtgttcttt cctgaaacct caaaaggaag cagttcctca tattggatca gtcttaggga 360
 caagaaaaac caaagcaagt gtagcaaacc taagcatgtc ccttataaga acagccaacc 420
 aaaggtttgt aaagtcagtt cagttgatgt gaaggacacg aagaagcacc ccttcacccc 480
 atctggatag gagggcacca atgctataat gcacattaac agagcaaaaa agggttcctt 540
 aatg 544

<210> 41669
 <211> 298
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910021h10a1
 <400> 41669

aaacaaaaaa gggggcccaa atatttttac caaacattta tgaatcatga ctgccttaaa 60
 acaaaaaaaa ttttttccga atttccctg ttaaaaaataa ttttttgccc cttctaacia 120

tcttaaaaaa aaaaaaaacc aggttttttt ttttcaaaaa aacggatcca ttttttactt 180
 ttaaaaaaga cacctaattt gttggcccg gcaaaatcct tgcataaaaa aacacttttt 240
 ttttcccacc cctttggttg gacacatgta attcctaagg ggggaacacg gttttttt 298

<210> 41670
 <211> 349
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910021h11a1

<400> 41670

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 catccactca atcccaaagt tcaaacaaaa aacaaccaac aactcaacac cttaacctaa 120
 accataaccc aacgattcct acctgactaa ccacaacaca gtaaaacaag acacacaact 180
 gagcttagta actcaacctt gactcacaca cacaatgctt gtggatcatg aactacattg 240
 gttattctta acattatctt caattattca ataagtctcc attttatttg cactcgaata 300
 tttatctata caaaacttag atagagtacc tcaagggtta ccactatta 349

<210> 41671
 <211> 539
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910022a02d1

<400> 41671

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 acagcagcag gtgcaaattc tgctgaagac gaagcttccc tgaaagacct ctctgtgcag 120
 acagagaaca aggcttcttc tgctcccca gctcctgatg atccgaaggc cagcgacgag 180
 aagacgctgg cagaagagaa ccagaagctg aaagagcttc tgcaaaagct tctggcgctc 240
 ggcaacgatc agatgggggt catcacggac ctaagtgaga aggtcaaggt gctggagcgg 300
 aggctggcac gcaagaagag accaaaggtg aggggtgcaca agccatccag gcatgcttcc 360
 tgtgtccact gaaaggataa gtctgtaagg ttttgaggtt ttatgttgta tggatcccca 420

tgttgcttcc tgtgtccagc tattgtgcac tgtgtaggta tagccatgct gtggcactgt 480
gcttcgtctt ggacaaccaa ggtgtggcat gttctgtatt ttatgtctgt ataatgcat 539

<210> 41672
<211> 70
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910022a06a1

<400> 41672

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
aaaaaaaaag 70

<210> 41673
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910022a06d1

<400> 41673

ggcagcattc aatgagaagg acaccgccta ctctgggtcg ggcactttca cctacgaggc 60
cttcatgctg accgtgctgc ctttctcat tgcgtagtgg cagtccactc cgccgctcaa 120
aacaagcttt ataagctttt ccaatagtac tgtaatatta tgctgctgt aaagagattt 180
atgttcgcag agttgttttt agacgagttg ttttgattct ggatttaact tgtgttgtga 240
atcataaagt tgctctgaaa tggagaatgt acctgttggg tg 282

<210> 41674
<211> 446
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910022b01a1

<400> 41674

aatcaagaat gggttcataac atgaactttg ctgttgctaa aaatcaaaga gtcaacactg 60
tcattcttggg tggaggatta aacactcctg tcacaaacta tatgtctaata gttgaaactg 120
ttcatgtggc aaataaatca gcgtctaccc ttaagattaa aatttaaagc atacccttta 180

tagaagggttt agtgaaaaaa gaatttactc aaaaaggaat ttactttctca tgactgtctt 240
 caaaagaatc tatcttaatt atgacagggtt ggttttagatc tgctgatggg tcagatccaa 300
 tttgtaaadc tggcgaggaa gttatcccat caatgtcttc attttcggcc aaggctttat 360
 cttttgcagt cttgccaact tttgtgactc atatcatcat aaccaccgat atctcatgac 420
 ccaaagtgtt aacccccacc gagttt 446

<210> 41675
 <211> 548
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910022b02d1

<400> 41675
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 ccgggcatct gaagctgctg ggcgcgtggc cgagcccctt cgtgaaccgc gtacgcatgg 120
 cgctgcacct caaggggctg gactacgaga acgtggagga ggacctcacc aacaagagcg 180
 acctgtcctt cgctccaac cccgtccaca agctcgttcc cgtcctcttc cacggcgaca 240
 agcccatctc cgagtcactc gtcacgtgg agtacctcga cgacgccttc cccggcgctg 300
 gccaggccgt cctccccgcc gaccctatg aacgcgccgt cgctcgcttc tgggccaat 360
 acgtcgacgg caagttgcac ggcacgatgg tgaaggcgct catggaggca acagaggagg 420
 agaggcgac ggcgacagt gacgcgctgg ccgctatgga cacgctggag ggcgcgttcg 480
 ccgagtgtc cggcgggaaa aagttcttcg ccggcgacgc gcccggttac ctggacgtcg 540
 cgctggga 548

<210> 41676
 <211> 383
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910022c02d1

<400> 41676
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agaacttgaa tgctccttag ttatacctgc tcttaagcta atacagactg gtatgccttc 180
 tgaactagaa tgtaccacat cgggctgcat gtgctgcgta tagtagcatg atcatgtgtt 240
 agcactgtat ctatagatca tgtgacactg atacttagca aatagctatc cgacctgtga 300
 atactataat gcgtcaaaga tagcacatgg attctgtttt ggttcactga ataaatttga 360
 aggcttgtat gtcgtgggcg gcc 383

<210> 41677
 <211> 495
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910022c04d1

<400> 41677

gcgccactgt ccagtgcgcg cgtcaagctt gcttagctag ccgccatggc ctccctcgcc 60
 gccgtctccg tgaagcccgt ggccatcaag ggtctcgccg gcagctccat ctccggaagg 120
 aagctcgccg tccccaggcc gacggcccgc tccatccgca ggccccgcgc agccgccgtg 180
 gtggccaagt acggcgacaa gagcgtctac tttgacctcg acgacatcgg caacaccacc 240
 ggacagtggg acctctacgg gtctgacgcg ccctcgccct acaaccgct acagagcaag 300
 ttcttcgaga cgttcgcggc tccgttcacc aagagaggtc tgctgctcaa gttcctgctg 360
 ctgggcggcg gctcattct ggctacgtc agcgccgtgg cgtcaccgga cttctcgccg 420
 atcaagaagg gaccttatga gccgtcgtag ccgggcccc gcgggaagat ctaagctcag 480
 cttctccatt tgcatt 495

<210> 41678
 <211> 590
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910022d01d1

<400> 41678

cccacgcgtc cggccccaga ggagtccatg ggatcagttg ttgagctttt agggaaaagg 60
 cgtggacaaa tggttgacat ggaagctaac gggacggagg gaacaacatt gctgaaatac 120
 aagattccta ccagaggcct tatcggaact cggaatgcaa ttcttacagc ttctcgtagc 180

agagctatat tgaatacaat ctttgacagc tatggcccat gggctggaga tcttagctca 240
 cgtgatcagg gatccttggg tgcttttgaa gatggaagca ctacttctta tgcacttctt 300
 aatgcacaag aaagaggtat gttgtttgtc caaccagggc aggatgttta caaagggtcaa 360
 attgttggtt tccatcagag acctggtgat ttagcaatta atgtgtgcaa gaaaaaggct 420
 gctacaaatg ttcgttccaa caaagaaact acagtgggtc ttgatgaacc ttttaagctac 480
 agtttgatg actgcataga gtttatccaa gaagatgaga tagtggaggt tactcctgca 540
 agcatccgta tgtgcaagaa cccaaagtct cgaaaaaag tacataatcg 590

<210> 41679
 <211> 550
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910022d02d1
 <400> 41679

ggcttggagc ccagatggcc tgacattcgc cactggtaac caagacaaaa cttgtcggat 60
 ttgggatgcc aggaatctca ccgagtctgt ccatgtcttg agaggcaacg ttggagcaat 120
 aagatctatt cgttttacat ccgacgggca cttcttgtcg atggcagaag cagcagactt 180
 tgtccacatc tttgacatca aaagtgacta caataagaga caggaattgg atttctttgg 240
 cgaggtatcc ggtatgtcct tcagccccga cacggacaca ctttatgttg gaatctcgga 300
 caggacatat ggcagcctgc ttcagtttgg ccgcctctac aactattcat acctcgactc 360
 actactatga aggtcaaaga aaatatgtgt tttccctcgg cttataatca acccagatt'a 420
 ggcacccaa atgaaattta atttagcctg gtattcctcg taaagaatcc tgtaccctgg 480
 tgtatgtgta cataaaaaaa actgtatttt atagacacca gtagtctgct atcctgcttt 540
 cagattaggt 550

<210> 41680
 <211> 338
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910022d06d1
 <400> 41680

ggatctggat ttggccaagt tcctggaaca tggcacgtaa gatgcacgat cctgccgcag 60
 gaagacaaaa tccccgcggt gatcacccgc ttcaaggctt tccatgaggc gttcatggct 120
 gagtaccgcg actgaactgt tacagtggct gagtaccatc gtgtagaccg aaacaaaata 180
 aagctccact ctctctctct ctgtctctgt gcgtgtgtgt gaactgatct ctgaatggaa 240
 gaacaatgta ctctgttggc gcctttaatg gcaattgagg aaaattttga tcaaatttct 300
 gttgtgctag gagccaagct gaaaagccac gtttttct 338

<210> 41681
 <211> 573
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910022e02d1

<400> 41681

gattcaacaa agacgtacgt acatgcacaa aactagagcg agctgtgtgt gtgtgtgttc 60
 gtcatttcct cgatcatggc gaaggcgcag gcgcaggtgg cggcgaggtt catgatggag 120
 gcgccgccgc cgcaggtggt gtcggtcacg cggcggagga aggcgccgag gagcctgagc 180
 accatcgccg aggacgacag ggagatgctg gcgccgtgcg ggtcaccgtc ggaccacggc 240
 cacgtacata cacataacta gagcgagtag agataccgtc tcttactgtg tgtgtgtgtg 300
 tgtgtttatc aactcctcga tgcattggcg aggcgcaggg gcaggtggcg gcgaggttca 360
 cgacggaggt ggccgcccg caggtggtgt cggtcatgcg acgaaggaag gggccgagga 420
 gcctggacac catcgccgag gacgacaggg agcagcagct ggctgcgagg tcgccatcgg 480
 accacggcct cgcacggcgt ggtcgctcgt ccagaggata ccgacgccac cgcagccgcc 540
 gcgggagcgc gcaggtgggt ccgtgacgag gga 573

<210> 41682
 <211> 419
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910022e05d1

<400> 41682

agaagcgaag gcggaggcgg aggagcggag gtaggagatc tcgagcaagc cggaggcaga 60

ggagatgaag acgttcgacc cgtggccggt cttcttcgc cgggagtga agcgcaactg 120
gcccttcctc acgggtttcg ccatcaccgg attcatcacc acgaagatga cggccaactt 180
caccgaggag gatctcaaga actctaagtt cgtccaggaa cacaagaaga agcactgacg 240
aaccaggtga aggagttgtc agaaacgcat gtttggccag ccagttctgt tatgcttttg 300
aatgaaaaat ttagaccctt ctttctcggt tccttaatcg aaatgcttgc actctatggt 360
ccatttgtaa tgtaataaga ggcaaatgga ttgaaccaac aacaatcaac ttctgattg 419

<210> 41683
<211> 572
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910022e06d1

<400> 41683
cctgtccag ccgccggaca ccatcaacgg gtccatccgt gtgacggtgc agggcgaggt 60
catcgagttc tgcttcgggg aggagcacct gtgcttcag actctgcagc gcttcacggc 120
cgccacgctg gagcacggca tgcacccgcc ggtctctccc aagcccaggt ggcgcaagct 180
catggacgag atggcggtcg tggccacgga ggagtaccgc tccgtcgtcg tcaaggaggc 240
gcgcttcgtc gagtacttca gatcggctac accggagacc gagtacggga ggatgaacat 300
cggcagccgg ccagccaaga ggaggcccgg cggcggcatc acgaccctgc gcgccatccc 360
ctggatcttc tcgtggaccc agaccagggt ccacctnccc gtgtggctgg gagtccggcg 420
cgattcaag ttcgccatcg acaaggacgt caggaacttc caggctctca agagatgtac 480
cacgagtggc cattcttcag ggtcaccctg gacctgctgg agatgggttt cgccaaggga 540
gacccccgca ttgccggctt gtatgacgag ct 572

<210> 41684
<211> 529
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910022f05d1

<400> 41684
cggacgcgtg gggaaaggga cgaccttgca gctttcctat ctgccagtcc ttttcaacag 60

aaagacaaag tggtcacaat tccttcagca ggtgacattg aagtgggcag caatgcagca 120
 aggatgaaaa atgatatatc aactgacagc tccaaggatt cagctggttc cacggatttg 180
 atatcaggca gagcaaagga agatttgcac cgtgggcaca gaagagcagc tagtgccagt 240
 gctgatatag gctcatggag catgtcaatc cctaataaat gtgaaggaac tacagaacag 300
 ttatctgatg gctcagacaa attgcctttg cgtaagatag tgaaaacatg tgctttgaca 360
 agtaccttgc aatctaagac tagaacgaag tggaaaaatg gagctggttag gtgggcaggc 420
 agtaaccaac aggatgttga agaggctatc cctctgaata cttctcagtt gagtcagggc 480
 ttagaggaat gctttgaaag gacaagagtt gcttaagaca tgtgatgag 529

<210> 41685
 <211> 355
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023a02a1
 <400> 41685

gaatcatcaa tcatgtaacc aagaaatagt ataaaaggca gatgccacct tcatctagaa 60
 taaaacactt cgaatcatga cctcctgaga gctattttctt gaagaatcag cgcacaatct 120
 ggccgagttg ccatatgcac acatgggcta atagcaaaaa tgcaaaatgt atgaagcata 180
 ggaaagggaa aaagcgaatg atacacatct tatggatcaa aaaccaaagg gcgaagtctc 240
 agtcttagat accataatca attatatccg gatcattttt gaaggcactg gagatgggtg 300
 ctgcggaaac actcattgta tggggaaact cggatattaa tgggcatgtg ctgaa 355

<210> 41686
 <211> 548
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910023a06a1
 <400> 41686

ggaaacgcat gtttgaaact taattgtcac cggtaacaaat cagaccaaga atggcttctt 60
 tcagtactta taccaatctt gatttaagtc ttatttaata gtaagtttgt tcagaagcat 120

gagcatcaca agccaagtga ccaaccacac aagggtt.cta ttattaacgt tttctcctct 180
 aggagatatc acaaattaaa agttggtaaa cttcttttct ttcaagctat ccacagtctc 240
 cttgaggctc acttccaaag gagtatattc aatccccaag ctctttgcct tttctttgga 300
 tacctgatat attggcacat atgggttattc atctgcacac ttctctggaa gttgtaattgt 360
 cgggtacaaa tcacgtaaaa tcttcacaat ttctgagtag tgtgccactc tctccaccaa 420
 acaatacctt ccattagctg aagcattctc atatgctaga atatgggcat ttgcaacatc 480
 tttcacattg acccaaccaa aagatgcatt tggaaatggt ngtgcaccat taattacgtt 540
 taaaattg 548

<210> 41687
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023a07a1
 <400> 41687

aggcatatat aacattaatt .tatttacact aaaggagtaa aaaaatcttg acgtacctgt 60
 ctacattaaa gcgtgagaag ggatgaagag ttacttccca acaatctcgg ttcataatac 120
 atttttcact tcttttttta cccttataaa gaatgaaaca aacattaata ctccaataac 180
 acccggttca caaacaata caatacaca cacaatctag caatctagct acttctccat 240
 gccctaaaac acaagcaa at cgttcttgat atcatatccc attttctcca aattaggctg 300
 cactgcaaac tgaatcatgg gtggggggccc acatgtcaaa gccaaaggaat ccctcgacgc 360
 ttttggaagg ggctccctcg ggatactctt tgtgatgaac cctacactgt atttccaccc 420
 ttcttttgcg atttccacca cgtaccatag cttgaaccgg gcat 464

<210> 41688
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023a08a1
 <400> 41688

cttcccatct acacagacta atcttgtcat gacccccccc ccccccaaag aaaataaaaa 60

tgaaaaacat gaaccattgg attgggccct gctagtctat ccttgcataa tcttttcttg 120
 cgcggggatgt tggaggcatg cttgagacag gaggattcat tcttcgcccc catgtcatac 180
 tgttggtgaa tgagttattc ctgggagaac gagggcccac actgctgaaa ccagaagaag 240
 tagcctgaat ctttaattga ttccactcgg caccctgggg gggctctacca tgtgtgaatc 300
 tttgaacaga ttggtgtcca aaacggcttg gagaattttg taaaatatga ggcatgagat 360
 gaaaatgctt agacatagag ggtacatatg ttgtttgaag atcatgagtt ggaaggctac 420
 ccatctcaac attagtaaatt gcttgacttg gtgcatttag tctttgcatg attattggag 480
 tgcttgtgct tgaaacatga 500

<210> 41689
 <211> 462
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910023a09a1

<400> 41689

cctcataaac aaaatcatgt gatccaaatt aaatagtaaa tacaagacaa ggattaaatt 60
 aaatacataa aaaagagggc attaaataga aagaatgagg ctcaataaaa cccaacacag 120
 ttccttttgc ccgtagaaga aaagaaagat taggaaatga agaagtgaga gtaaaagaaa 180
 aaagataaga cgacacattg acaatgaagt attttctggt gatcaagaga gagctcccat 240
 gcaaatgaag ccaagtccaa gaacaagtcc gaaaccacaa ttcaccccat tggcagcatt 300
 agtatcctta ggagaatccg aaggagcaga accagcctta ccaacgctgg gaatctcagg 360
 agtgccttta gaacccttag gagaaggagc cgcagaagaa gcacgagtct tgggtggttcc 420
 gaagagtcc aacggcaaca gaacctgtc aacctggtac ac 462

<210> 41690
 <211> 406
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910023a10a1

<400> 41690

gagaaataga aagatgctat atatttattc ttagaaatag caaatgtcaa gaacaaccta 60

tgatttcaaa gggagaaatc ctagatttca acttataagc cttatttttg aacaaaatcc 120
 taattaacag cgatgtagct gattgacaaa caaaacatgt agtccacacc acacacaatt 180
 ttccccagag attctgagtc tcacatacat gaatctatct tgaagcagcg aggctttcat 240
 agaagccttt aacaaacaca taattcttag aaatacttag tgtcacaccc catcatcaaa 300
 tctattttga accaaaaagg ctttcgtgga cacccttgaa aaaggagaaa acaggatttc 360
 taaggggcac acattatttg acaattggat ggttcaaaaa tacttg 406

<210> 41691
 <211> 592
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910023a12a1

<400> 41691

gaacaataat gtgtaacatt ttaaaatcat taaattggaa ttccaagtga cagccactta 60
 tccctgccac tcaaataaat cattctcaaa tgtaaaattt ccatcatgat gaaatttaaa 120
 aacggttttt gggacaatat cccatctaga aaatttatta aacaaaattt gcgcggggcca 180
 ttactctaaa aaactcttga aactcagaac ggtttttatc atcgccatct aaaaaacaat 240
 gataataaca ctgactcagc actgaaatta agcaccacca gaaccatact tcttgccgaa 300
 cacaagaacc tgcaacttgt cgtaaccagc aagcacacca tcaccagcaa cggcacggag 360
 gatgttagca ccggcacccct tgaacaagga cttggcgccc tcattcttga ggatctgtgt 420
 gaatgcgtcc aaggaactct tgtacttgac agcttcacca gaggtcatca tcattcttct 480
 tctaacagtg tcaattgggt atgatgcaag acctgcacca ttggtgatga gccatcctag 540
 ggcaaagctt gcaaaaaagc tctctgcaa tgatcccggtg aggacactgg tt 592

<210> 41692
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910023b03a1

<400> 41692

ggggggaaaaa gaaacaattt aaattcccca aaatatattt tcaaactttg ggggagcttt 60

ttaaaaataa acccatgctg aaaaattggt cctaaggggc caataaatga agtgtgacct 120
 acaaacacat ttaacacctt cttgtttttt tcccagctaa ggaatgaaaa ggttttaaact 180
 ttacgagccc gggccccttg gtttggtcca tgetggacta ccttttcctc cacaggaagg 240
 cccttacccc gggggactgg attaaaaaat ttttttgccg gttttggaaa aaccctaaaa 300
 ccctttccaa acttttaaata ttccttttcc gtttttagga caaaaaaagg gtccccagga 360
 agggcttccc aggggctaag gacaaaaagt gcacttgccg caccaaaaat ccacctttta 420
 agctcatccg caaaaccaa gcttttaaaa acaggaaaat tccc 464

<210> 41693
 <211> 571
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910023b04a1

 <400> 41693

gacggaagca ataaagaaga cgcgcttggt cggttatata aatggatgga ataaaatggt 60
 tagtgaacaa aaagaaaaag aaaacatgag aatttgatat taagcctgtt acaagaatta 120
 atcatcccag agctgatctt gtcattctcat atgccaagaa acatgctgca tttgcaggaa 180
 cacttcgagc cattgcagga ccaaaaccct tatacaagcc tttgaaccct tctgtagctc 240
 gaatctttct gaatgcatca aatgaaccag aaaattttgg gtttctgtga tcatctactt 300
 gaatcacact cttataaaca tcagttgggt aaactaagaa ccagaaggaa gctccagcca 360
 agcctccggc aacaatcaga gaacctctac ttagcccaga agtatcagt cctcctgcaa 420
 acttttgctt taatgcttcg tatacaccaa acatgatagc atttccaggt atctcacgcc 480
 ccatagtggg aaccaagccc ttgaaagacc tctcatgccc ncttctgact tgagaacatg 540
 cctggccaca tccatgggtc cttcatactt a 571

<210> 41694
 <211> 480
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910023b05a1

 <400> 41694

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 tattaaactt atgtgaaatt tctaattgta cacattataa cataaaaaag taatgacctt 120
 tttctgatct acccacatca gtaatcgtat accgaaaaac tcgctcttca aaattcaaatt 180
 gatatcatct tgacatcaaa agatataagc cgcagattaa aacagcaaaa ttatctggta 240
 aaaggaatcg cgctgacaag gtcataaagc ctttttcttg tgatccaaac ctctactcgt 300
 tgaaggatgat attatgacaa ctttgctttg aatctgcagg gtttcatcaa tcacttccga 360
 cagtcgacgc aaatttctcc caccgtgggt gaaataactca ggtcattgac ataactaag 420
 tgcgtaacca tgtccaaata tacacgaaac tttatgtctt ctttttcttc cgcttcactt 480

<210> 41695
 <211> 513
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023b06a1
 <400> 41695

gtgaaaacag aatgaagaga aaaaattgag aaatgacaat agtaagagta cctaaagtac 60
 aattaagtat taataatcaa aatgggaaac gccacataaa agaaacttgg aacatgggtg 120
 aagacttgaa tgaaagtccc tcttaagcaa aacagaaggc ttgatcagta aactaataag 180
 atgggtgacat ggttttgccc gggacaagtt gcacatcaag cagttttggt agttctacat 240
 caaaatattg ttactcttcc ctttgaaaaa attatacagt taaactaggg gtctcacttg 300
 atgatgaaga ctccccaaga aactctgac tcaatttcat caacagtttt ccaagataat 360
 ttaagccttc tccgtctcgg cctctacccc aaaacagatc atgtggtgaa gcctcaacta 420
 gaacagaacc agcagtagat agcagcatag aattcaattg cgggtagatt gagaacttgc 480
 atttcagtgc cctgtacatg acatcgatct tat 513

<210> 41696
 <211> 519
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023b07a1
 <400> 41696

acttcataaa aagtagatga acgagacctt attgaaatga tgattatcaa cacacaaaaa 60
 gtaaatatta tatatgatga tgatcttaat taagaaagga gtttagatgc aacgccgatc 120
 cttgcaagtg gaacacagac aagactatgt gcccttgga cagtgaggcc ggctctctct 180
 tccatgctaa ctttgggctc accacccttc aatatctgtc cttgtggacc cagcacttgc 240
 aagtcgaagc actgaataag agatgcaaga agtggtgcca ttcccgaagt agccagattg 300
 actccagggc acattctcct cccagacca aatgggagaa gttgaaaatg ttgtccccta 360
 agatcaagag gccctgcttc ccttcagcc cctgtctcta ggaacctctc aggacggaac 420
 tccgatggtc tgtcccagta tttggggctc cttcctactt gccatacatt gaagagaatc 480
 aatgctccct ctgggatcac atatccatta atctcacac 519

<210> 41697
 <211> 465
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910023b09a1

<400> 41697

cctgaaatac atatttataa taagaatata atataaatag taataatgat agcatcaata 60
 tcaataaatg ggtctataat cttgcattat aaaaaaata tggtaacaaa tttgataatc 120
 aattaaaact gacaaggaag aaactactcc aattgaaaac taaaatccgc acccataaaa 180
 ggttcacttg gcagcagcag caccattggg tggctttgaa ggaacttctt caaatggggt 240
 gttgttaagc tcatcccaag cttcaatcca agtaaccatg gcatctgcta gcttgatgaa 300
 gtagggatca acagccccaa gcttctcctt gacttgcttg gagagttcaa tgtaacattt 360
 ttggacagac gtgcactctt ttgaaagagt ggcactttgg aagaatggaa tgattttttc 420
 ttgccagaag atgcccttgt cctccttttt gagattgaca aaagg 465

<210> 41698
 <211> 476
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910023b12a1

<400> 41698

atatataaaa agaacaaaat ggcccataac gtacatatatt accagataca aattttttcac 60
 gacatatgat gttacaaatg actaaaactt gttgataaca acgaacaaaa gctatgtaat 120
 gaattccac actaccacgc aggtgaaaat tattgcatac caataatttc aagaaccctt 180
 attaactttt actttcaaag ggggtgggac aacaatatca tatgctaata aaaataatct 240
 taagatgaac aagc'cggttt ggaagatggg ttgaaaggaa cctgctcagc gcatgtaagg 300
 atttcatggg gccagactg gtcttgacca acacctagaa ggggaagata atactggtaa 360
 tgggaaacga tattggtcat tgagtccaca ttacctgtc caciaacacc atccccatag 420
 agaatgttca ttggtgtgcc caatccagga agacgattct ccataggatg attctt 476

<210> 41699
 <211> 499
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023c01a1
 <400> 41699

gggaagagtt gcattatata tcaacgggtc agtagaaacc cagtagtctc ttgtgcatat 60
 gatatatcca attacataat cagaagaatg tggtgcacaa atcaaacgaa ggaataatac 120
 atacaagggt tacgaaagaa taatcaagac ctaagtggca ccacaagcac ccacctaatag 180
 attacaccgc aggaaaatga ttctattcgg atgctgatca gccaaactcta tagctttcaa 240
 tattaanaa aaactaggcc aatgcacatc cgaataaaag ccacttcaag tgagattttc 300
 tgacaagaat actcaatggc tccctttaga agacaccctt ccatgctatt ttctttatga 360
 agacaattgg aacctgccac taggcttctt tcttctcat ccaaaggcag cataatatac 420
 aaaagtcaat ccagccaatg caacgaatgc aatctgaaag acgttgact tgtacaaata 480
 tttaattcca cgaagagac 499

<210> 41700
 <211> 493
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910023c02a1

<400> 41700

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 aacagaacgg gagaaaaaaa aaaaagaatc ttacatatct tgctagcctt catgctctta 120
 tctcaacata ccaaagaaag gaaaacacaa aaacaagata gataaaagga tggtaaagag 180
 taggaaatga aagttcctca accactagat ggtatttttg tagtatttgt ataaatagta 240
 atttccttgg tccagctttc acactccatg attataactt agaagcattt cctgtgtacg 300
 attgatggtc cagattcatc atactctgcc ttcgcaatcc acatctgttg gaagggtgctg 360
 agggaagcca agatggagcc tccaatccag acactgtact tcctctctgg tgggtgctaca 420
 accttaattt tcatgctact tgggtgccaat gctgnaatct ccttgctcat cctatcagca 480
 atgccaggga aca 493

<210> 41701

<211> 550

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910023c03a1

<400> 41701

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 atgggcctca taataaacta cgcctaacca gaaagaaaag aaagcccaat ataagccaag 180
 gcaggctgga cacagtttat gtaatgggac aacaagactt cacacactaa gtcactgaac 240
 ctaatttgat tcttcaactg ttaattcgta ttacagctg aaagtcaaag tactaaataa 300
 ttttcctaatt gccaccttgc ggcagcatca actgaggggg ttatgtcact gtccgattgt 360
 gaatctgaga agctgtaagg tatgccgcca ttcacgaatg atgttgtgcc aaatgttcca 420
 ttcacttgcc agtcgctgca tcccatttgt gcattatggg ttggtacata gttaccaact 480
 tcggcagatt tatcaccaaa gtagtcattc tgatcatatg ctattagtga tgctgatga 540
 ttgttttgaa 550

<210> 41702

<211> 580

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910023c06a1

<400> 41702

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cccgtgttgc tagaggccta gcataattgt cattgcatat tttttatggt tataaacaag  120
cactccaatg cttgacaggt aaattttccc caaataaaaa aaaaatgcac tatttggtgt  180
catgccccac tttgggcaga gatgtgaggt gtcggccca gtggcactgc aagatccttc  240
aaaacctcat attcttccat acctatttga gaaccactca aaaccctgtg aaatgaagcc  300
ctcctatccg tcatgtatga gataagagca ggtaatctac atacggacaa tgcataata  360
aacaaaagag caaccacttg ccattgtttt gttctgaaag ctggaagtgc gtccacaaat  420
gacattgtct ccagcaagca tgccatccct tgctccatgg tagatactgg tattggcagc  480
cggagcacag caacaagtgt aggtaaagct cgagcaagac aactggctaa agtttgtttt  540
atttcagatg agcgaccatc tgccaagaca actttgcagg                          580

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<210> 41703

<211> 523

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910023c07a1

<400> 41703

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tctaccaca ctgaaaaaaaa aaggccaata aaataattcg gaaaacagac aaacaataaa  120
tacaaaacct ataataataa aaagtacaca tggcctccta catgtcggtg gcagcgtttt  180
atttccttga catatattaa agaaagaaaa gaatcttaat tgaaacaagt gtatagtagc  240
gacactccat aatccatgtg ggtgtttcat agagccaaaa aagccataat taaactgaag  300
aagaccatga agaattctac gtgcaatccg cttactccat tgctgtcttc atccgcagcc  360
ttctgatctt ccgaatcagc gtcgtcgtcg gatggtccgt ccgccggtgc atccgccgca  420
tggtgtttgg tcttgttctt gatcttcttc ttggcgggct ttggcgactg ggcaggtgca  480
ttcgccgcgt cgctggcctt gaagagctct ctgggcatca ata                          523

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<210> 41704
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910023c11a1

<400> 41704

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 aagtttcaga agaaaatagt caaacaatat tacaagataa aatacaacaa gatcttaaca 120
 ctgaaaaaac aaaattagaa aaaacaaagg caagaagaaa atcaattttt aaaagattcc 180
 aagccacgaa acatgatact gctctagata ctagatagaa atcagaactc tagtttctat 240
 tgcattgttaa acaatttttg gctctgcctt aagttgactc tacttctgcc ttttgtaa 300
 tttagccaaa aaggacttca atacagcttg aactgctttg ataggatgag cttcaatgga 360
 ggatacaagc ttgcgatagc tcccactatc gtactcctca aatacaccct gaagattaag 420
 ctcatgttac agggccttta ctttagcaac attatctgga tctggcttac catagatctc 480
 ttgtagaact ttcttttgat gttcattact aagttccaag gctttcacia ttaaccaaga 540
 gcacttgaaa tc 552

<210> 41705
 <211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910023c12a1

<400> 41705

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 aatttaggct aacaaaatac tactacatta cagtaattat tttcacaaaa aaatattaca 120
 atcagattag caactgtatt ttctattgga ttctgtgcac cggggatgac acggcataaa 180
 tatgtgggca ctctaattca cggtatctga taatgatctc agctacctat gcgggcaata 240
 gaattgtcga gaggaattga agaggaagtt caaaaaggaa gccagaaacc ttgttcctgt 300
 accatcatc actgagccat tgcattgcct gacaaagatc aatcaccttg tagacagtaa 360
 agctgacgaa tgtttaccga agcatataac cagtccttga agtagacatg gagcgcagat 420

gacaatactc gtttgcgact ttcttctaaa gatgcttata gtaagagttg ccttatctcc 480
tctaaatttc tgtgattttt atgctgagat gccatatacg catctggtaa cgtgaatgga 540

<210> 41706
<211> 487
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910023d02a1

<400> 41706

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gaaaataaaa tacatgaaga aaattcagaa tagttataga gggaaacagg gaaaagcaca 120
acatgcaatt cttttatata gcaactagaa tccaaggata cacaaaatcg agaaacaaac 180
aaaatatgtg tatatattgt ctggatgtct ccagttgaat cttactgata aaacttgtca 240
tactatatat attaatgcac aaaaactgag aactgaata gaatatgttt ttgattttga 300
acagaatcat aaactcaaac acccttgga atctttatta tgcttcaatg aaaaccccc 360
gctttggact aatgggggttt tttctgcatt agttttggct tctaagattt ttcattggccc 420
ttggagctag cccaattgct ttaaagccct tcatgaacct tattcttccg acatgaatta 480
gtgaaca 487

<210> 41707
<211> 536
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910023d06a1

<400> 41707

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gtcagatata ctaataacag ccgttttata attacagcag gcagccggag agaactctct 120
ctccatcct ctcaagtcca tcaatggcat gctcatccgt aaataactga atatacaata 180
gaccagttgg ttcattctta cttgaatcac tatgttaaaa ctaggaaacc aactggataa 240
aagataaaca aaccatataa aaaaaatttc ttaaaattcc ctttagatta agatttagtc 300
attgcttgta gctagaattg ctgctgatct tgcttgaaag tgaagggttc tccttgaggg 360

tggtagctaa caagttttca gagttgcttg attggctctc agcaaccctt ggcctcatcc 420
 aaattttaat gtgccccctc cggcaggcag tgagcacaga ttcttgggta aatatcaagc 480
 cagagagtgg ttccggtatgc acacggtgag caaccaacgg agagattttt ggaaca 536

<210> 41708
 <211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910023d07a1

<400> 41708

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 aaagaatgtt tgtgacctac gtataatttc acttctctta caatgaatac ttctttttatc 120
 atgagaaaaga gatttatctt ctcccacctt ttatatccca gctgaaagca taaacctaca 180
 acacgacttc aagcaacctc aaaatctgag caaatcaaaa cttcccaaag ttggttgcca 240
 gggacataat acaattaaaa cctagtaaag caaaacctga agcctcaaat tttcaggtgc 300
 acgagtgcag tagtcgaaaa gcaatttaga atgcattagg aagaacattg attccatcac 360
 gaagaactgg catcagaagc ctttttctcc ttctgttttt ccctcttttt cttgtttcgt 420
 aatgcattct tgctcagtgg ttctgcagga gtctctcaa acaactctgc ctgaatagca 480
 gatgcattct tagcatgtgg aggacgatat gcagcaggtt tttgtgtttg ggggttggtg 540

<210> 41709
 <211> 582
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910023d09a1

<400> 41709

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 aaataaccct cttttcttca tgttgggaata gaaaaagaaa aaatgaatac tttaacagat 120
 tacattttta acataatgtc cgcgttgcaa tcttgtcaca cactccacat tcacaatggt 180
 ctgaaataaa agaggtgtac gccaaagttg agtgcaaact tgtggcatcc aaactaataa 240
 tagtgactaa aaaaaaaaaa atagtttata tcactttata gcataatatc aatcatagca 300

gaacatgata tagacatgag ccacactaaa atgctttgca ttcctaggaa tgattttcag 360
 tccgaacaag aaggctttga gcatcagggt tcttgcccca agctctctcc ttccataaca 420
 gctccacttc atcaaagtgc aatcccttgg tttcaggaac atagacaacc acaaacataa 480
 acgcaagcac ggctataata gcaataatta agaaagtagg gccagtgcct acagctgcag 540
 caaccgacag aatgactgt accacaatga gatttgagac cc 582

<210> 41710
 <211> 553
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910023d10a1

<400> 41710

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 ttgtatgtta caatctgctg tgatacagga aacagggtat tctacataac catcggggggt 120
 tgggtgataa tgagtagcat gtatctctaa atctgctttt acagggcaac cgaatacaat 180
 aaagattcca acaaaaatat tatattaaat agaaaaggaa agcgcagcat tctcatatgg 240
 aaacaacact tcacgagcct agaaacgggc attgcttcct tgcattgctct ggaaccaatt 300
 tcacccaaat ctcagatggg actcctttca gttcatggga tttgaaatta aatagtgggtg 360
 gaaggaatcg gccatttggc aagcgagtat ttggatcacg aagctcgtcg aagaaaggat 420
 gcgtcaaggc atcaaaagct gtgcaccgca agttagggga gtattgtagt agtcttgata 480
 ccaaatcaac agcctctgga ggcatgcgct tatggaagat cttgtgccat ggatgtgctt 540
 taatctgtgg gaa 553

<210> 41711
 <211> 399
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910023d12a1

<400> 41711

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 gagcagcggc gctggaaagg ttggagcgcg gcacccccgc ttccgggttac aaagcaacca 120

gggggggaaa aaaccccccc atctctgtta caccgaaaag gacaccgttc gcgacacacg 180
 tggggccgaaa aaaagggacc atttgaaag ccccaaaaaa gagggggaga ggctgaacct 240
 ctacaaggcg aaactacccc cccaaggaaa caaaaactct gtcgtttaag gccgccatgc 300
 aggggagaac actgcttcgg ggaagcacca caacccaag gccccgggg ggggggggaa 360
 acccccacct ttctacgggg cgggaaaag gcccaaagg 399

<210> 41712
 <211> 453
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910023e01a1

<400> 41712

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 atacattctt caaattcctt cactgatata gggctaatac aactggactt tatttattta 180
 ccgacaattt tcacaagaag aatgaaggg actcttcatt ttggatactc ttcttattct 240
 tagcaccaac caatggggca atgaccttc tccaagtctt ggagtcaaca gcagctccag 300
 tttcaggcaa caagaatcca ttgacataga aaaatggggg tccatacacc cctctcgaag 360
 cagcatactt aaaagaaact ctgggctgaa tatcaaattg tgggtcattg aagccattct 420
 ttatggtttt ataataagag ctcccaacta ctt 453

<210> 41713
 <211> 564
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910023e03a1

<400> 41713

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 acaacaatgg cacaatcct ttgcaactat gtttgcaatg aatgatgatg atatttttgt 180
 attctaaatc aatgcaaact tgggtctcct ttccttctct tctggcatca gattcatcta 240

ctctcttaca agaaacaaat tgttgagtct atcttgaatg tcaaacattc cataactcaat 300
 gtgctcataa gcttggttac caagaaaatc ctgcaacctc ccaatgaagt ttccatatgc 360
 tggcaacaag atcttttcta tggattctat cattattctc cttagctcct tagtgaagac 420
 aaaccacgca gactgaacgt tgcataatc atcgaagtgt ccgttgaagg aacgaagctt 480
 gtttttcatt aactgtgccg caacattagg ctctgactca ttgatgtcca gcttcaaaat 540
 atccaagatc ttattccatg agct 564

<210> 41714
 <211> 521
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023e04a1
 <400> 41714

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 accgttggat cgtcgtcgtc atcatcacat agcaaaatac caaagcaaac ggtggagcca 180
 acacatgcgt ttccagcttc aatgtttctt tctttcttac tttggcctag ctaagctaac 240
 ttgatcaata atcgtatgtg tgtggtcgca caggcacact catggacctt gagtctcgtg 300
 ctaccgtgca aatgcgaatg ggcggcgcgc gtggatttta tgtgacatgg ttttaaatta 360
 cgatttgtgt cgcattgtga gtcagaaaat ctttaagagca attgcggatc gtaatttaaa 420
 accatcatga tgtgctcaaa aggacttggt gggccagtac atgaacatgt cctgcagcgg 480
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<210> 41715
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023e05a1
 <400> 41715

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taaggaaccc tatgcaatat tcatccaaaa attagcctag cccatccaca actttaacac 180
 tttattctta ccaccagggg gtaccttttt ttcatctggg ctccaatcga cagaaaaaac 240
 tttatcagca tggccaggaa gatcttggtt taacttacga gttggaattt cccaaacctt 300
 aaggggggaa tttttggtgc cgcttaaa 328

<210> 41716
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910023e06a1

<400> 41716
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 atcttcaaca ggcaacgatg gtgggggtcc gggaggtatg cgagcagcac cgttctcacc 180
 agcacatatg catagagcct ctgcatctct gaggggttga tcaagggtga tgtgaccact 240
 tagctcatta ataaacttca aaaggggtgc gaagtccatt tcctctccaa ttattttacc 300
 acgatatcgt ttcaagattg ccacacatac atacaggtgc agatgctcag acggataatg 360
 tgtccataaa acttcccaca agcgcattgt tttctcgtac tcaaactccc ttttaaattg 420
 aatcaaaatc cagcggaaac aaaagaaata attcaagcag tcacgctgct taaaatagtt 480
 atgcaatgga ctatccagca actccaccaa ctttgatagt gcaaaaagtg agagtgcatt 540
 ccgttttgat ca 552

<210> 41717
 <211> 430
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910023e07a1

<400> 41717
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 ggggttgaat tttttcaaca aaaaaaatt ttgaaaaaaa aacggataaa attcccctca 120
 agggcccata gaaaagggtg aaaaaaacca aaactaaggt tcggccctcc ctaaaaaact 180

gaacaaaaaa aaaatggggg ggaaaaactt tgggatttaa ccccttccc cccttatggt 240
 tacataaaaa aactgggggg gcggatcccc caataaattt ttcctttttc aaaagggttaa 300
 aagcaccttc caaaaaagga gcagggggtt tttttaaag gcccacaatt ttggggggac 360
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 gggggaaaaa 430

<210> 41718
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910023e09a1

<400> 41718
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 tgataaaaat ttaaactaat ttagagctca tggggggaat aatccttggt ttagcctttg 180
 ccacctgcac catctggggg ttctcctgat ttttgaaaca caaaattgat gattgggttg 240
 caaacggttt caacctcttt taggtttttt ataaaatctt ttttctccac actctgggtg 300
 tgatccagcc attccaaggc gttttttact gggggctaaa atttttcc 348

<210> 41719
 <211> 535
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910023e12a1

<400> 41719
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 ctactaaaat gtacttaaac aaagctagct ccaatatcc tgcacccat tacagggaaa 180
 tcttgtatag agccgtgcag gtgaggaaaa ctttacgaag aatagcattt ttggaattgt 240
 tgttctccat tggaatgcat ataaaacaat cattgtgtcc accaatactc tccacttttt 300
 ccaccagatt tatgcataag tcttacatct gtaatggcta tatcttttga agcagcctta 360

cacatatcat acacgggttaa gcctgcaata gagactgctg tcattgcttc catctcaacc 420
 ccggttttac cggttgatgc agcttcccct tctattgtta cactgaagtc ctcatgattc 480
 aatctcaagt ccacttgac gtgtgaaagg cttatattat ggcacaacgg aataa 535

<210> 41720
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910023f01a1

<400> 41720

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 atgcccttgg tttctggaac ttttaagaag acaaacaccc aagctatgat gcacacaacc 180
 gcatacatat caaagacacc accaaggccc acagaattaa gcataactgg gagcgagtag 240
 gtgactatga tgtcacatat ccaaaatgta agagcacata tagctatgca tagaccacga 300
 actcgagtag ggaagatctc tgaacaaagg atattaggaa ttggcccaaa gcccatgacg 360
 aaacaacaga agtagacaat aacactcgaa gttgagataa aagcatttat agtactgtcc 420
 aattccacaa gactccctat tactaatatg agaagtgata ctatcaagac ggggattgta 480
 gtcagcagca aggttcttct gccagatata tccatgagcc tcattggccac agctatacag 540
 ggtaacatca ac 552

<210> 41721
 <211> 548
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910023f02a1

<400> 41721

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 cacaaggcaa gcttattcac cgtggccaca cacccacacc atcacgtttt tgaaccaaac 180
 gaaagatcca aacctagtta gctaatacaag aaagccactg gtacacatta ataaataaat 240

acgccataga agatcttttc ttatttgcaa caaagcactt atcacgaatc tcccctttcc 300
 caatacgatc cgttatcaca tttagctggc tcaccttcac aaaagcatcg gaaaatttct 360
 taaaaaacag tttctggtct gaagcgaact ggttcacgat ttccttggtt ttggggctgc 420
 ccgcatgctc ctggtcagaa gtgaacactc cttggcgggt caagagggtg atgtaataca 480
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 tggga 545

<210> 41724
 <211> 471
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023f06a1
 <400> 41724

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 ttggtccagg tccagctcac gacagcaggc ccaaattgtca cagcgggggt catggccgct 180
 ccagagaagg cccaccccaa caaatgtta gcgccgacaa tgaaaccaat ggcgatggga 240
 gcaataattc ccaaattacc cttcttgggg tcaatggcag ttgcgtagac cgtgtacacc 300
 agaccgaagg tcatcacgat ctccaacacc aaggcgttgc caactccaac tccagcggag 360
 agtccgaatg ctggaacagt ggaggcgtg acgaaggcca ggaggaggga agcgacgatg 420
 gagccgagga gctgggcgat gacgtaaacy atgccgcgga ggaaggtgat g 471

<210> 41725
 <211> 569
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023f09a1
 <400> 41725

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 gaagggtcct acaacatatg ctctttttaca agattgacaa cactgacacc tgaggatggg 180

aaaatTTTcc aagatgaaaa gtgtcttaca cagcgactgg gacggcttca tcaagagcaa 240
 ggactcctgg aagctctttg ccttccaata actccaaact ggcaccacca ccagtagata 300
 tgtggctcat gacactagca actcctactt tctccacagc tgcaacagaa tctcctcctc 360
 caataattgt ggtcaccccc tttccactga ggtcagccag cttctttgca atagcctctg 420
 taccaacagc aaacttgtca aactcaaaca ctcccattgg tccattccat atgatggttt 480
 gggtagtatc caatgcttca ctgaatgatt taacagaatc tggaccaata tccaatccca 540
 tccagccatc agggatggca gatgctggc 569

<210> 41726
 <211> 543
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023g02a1
 <400> 41726

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 tgaaccaacg agtaccactt tggactagaa gctgccactt ttgccaatct tttccactcc 180
 aaagctttct ttttcatctc tttacccttt tcaccatcca tcaactcctt cacaaggctc 240
 tctatTTTgc cctctcaat atcctcaatc tccaacccaa tccccactc cttgcaacag 300
 aaccgacaat tggatatgtg ctctgcaaaa aaaggccaac atatcattgg aacacctcca 360
 cacacacttt ccaacgttga attccagccg ttgtgtgtca aaaaccccc aattgctgga 420
 tgagccaaca cttgctcttg gggacaccaa ctagacaata ggcctctatt tttcgtttgt 480
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 cac 543

<210> 41727
 <211> 540
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023g05a1
 <400> 41727

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 ttacaagcaa aaactagaaa caaagaaaga gggaaagaaa aaagaagcaa caaagccatg 180
 agcttgaaca ttcaaaataa atattgacag aaaaatttgt agttgaggaa gagcacttgc 240
 acaggtgtga ctgaaagcaa taatttcttt caagtgttc agttaccaga aaggaaatgg 300
 atactctaca gcagagaaga gttactgaga agtgaactag tcttctaact tttgctttag 360
 tgtgcccttt ttagacttct ttaactccca tgggtgtagg caacctttat agtgagagtg 420
 cataaataat gaagacattg acacttcctt ctgaggcatt gagattgacg acaagcaact 480
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<210> 41728
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023g06a1
 <400> 41728

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 tgggaggggg caaatcccc cccccggggg gggtttaaat aattttacca agaaaacaac 120
 gttttattat ttttttttgg gggtgccaca acaaacacct ccaattccca aggggggggg 180
 tattgctagg tcggggcata tccaattttt tgctcttcc agtgggatta aataacgcc 240
 ctacaaaatg ggtttcttaa caagacaccc tccgaggctg gtaactttac ctgggggttg 300
 aggaaaaaaa ctccgaaaac ctcttcttta tttttttgac acacccccgg gttaaacctt 360
 ttcaccaat gcattt 376

<210> 41729
 <211> 577
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910023g07a1
 <400> 41729

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 tagactagag taactagcta catcttaaaa gaatacaata aaatgtttga atcgataaca 180
 cttgccacc cagaaacaat ttaccaacag aacttcgcaa ataacaatac ccttcctcat 240
 tctaggcgaa gttgactgct gattgtacat gctcaacatc agtggccatt agcaacgcca 300
 ttagcaatca caccgttctc agcgtgagtc aaactgcttt ctttagtttt ctttgaatag 360
 aatctccgat acatggagtc aacttcagtg agatagaatg tgcccggaga taaaaggcta 420
 ctgtccttgc ttgtcacaaa ttccttcgca ccatatctat gctccattaa cttcaagttt 480
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 actctagcca tggtngacaa gctaaacgga tggtgac 577

<210> 41730
 <211> 291
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023g09a1
 <400> 41730

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 taaacggcctt aaatatttcc cactttaaac aaatgccagc cttgtcaaaa aaaaaaaaaa 120
 aactggggta acaattgggg ttgccaaccg ctctttaaaa ccattccccg ggcattttat 180
 ttttctttgc ccattagcc ccaaaaagga cccggggagg gtctcctgga aaattttatc 240
 gggaaaaggt tttaaaacc caggtttttg aaatttactg ctcccattgg t 291

<210> 41731
 <211> 539
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023g10a1
 <400> 41731

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ttattctatt atacaataaa ataaagtagg attcagcttt cttcttcggt gaacgtttct 180
tcaaggcttc cctgacctat aagggtggaac tctccgttca aatctttgga ttaacctgaa 240
ctttgttctt tgcaatatca tatctcatcc tatccctaac tataatatcg cgtaatgttg 300
gggatagtag aagcagttca aaatgaataa aatctttaaa taaataaata aacgaactat 360
gtcagaataa ccaagaagca ttgtcatggc agcagccctt gctgctcatg ctaccatttg 420
cttctgctct atatacagct gctccacca tggtgaaagc agcatctctt tactgaagaa 480
gatcatattg gtgcttctac ccatggtgaa agaagcatct cttttgtgag atgatcata 539

<210> 41732
<211> 531
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmro02910023g11a1
<400> 41732

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aaattaagga tgatagattc aggaaattta gggtagctag ccagttaccc ggattaagat 120
tccctaaaat tatggcattc atgcattcac ttgataaata actaataatc aaaaacatga 180
aactcgaatc aatgtaatat tcattcagtg atcgatattc ccattcccat tcacatgatt 240
aggcacaaga gtcttgaaat gatgaatcag agccgtgaga ctgtcgtaag aagaaccacc 300
ttcttgaaca gctttccaag ccttctcttg catctctttg gccttacttc tcattctctt 360
ccctttctct ccatcatcca tcaacctctt cagggcactc tctatactct cccactcac 420
cacctgcttc ttcccctcgt acggcaaaat gctccacttc gncgncccca ccttcacccc 480
gaaccctgac acctncgtta tcagcttctc gttatagtac tgggtccccga a 531

<210> 41733
<211> 554
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910023g12a1
<400> 41733

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atgaagttaa aggtgggcga gcatatgcat gttaattgaa atttagagac aaaaaactga 120
 tgtgcaaagc aatcttacag ggaaaaaaca gattgaaaca actattgatt ttgatgatgg 180
 ctattgtcat tcaactcaag atcgggttttg cagttctctc tcaaattttt aagtgtctca 240
 aagcttggtt caagttggct actttcttga gtatacatat tctgcatttg aagaaagaga 300
 gactttcact gatgcacaag ggacaattct aacttcaatg attcctcact tcggtgctgg 360
 tcatgcatga ctgtattctc taatccagaa aacttctgaa tgatcatttt tgcttctttc 420
 tgactcttct ttatagcact taatctacct ttggcatcct ggtaatggag atccgaccag 480
 atataaccag ctttggagca aaaggaacaa gtgcaagaat tgaggtccgc agcttttagta 540
 acagaacttg agca 554

<210> 41734
 <211> 53
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023g12d1

<400> 41734
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<210> 41735
 <211> 585
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023h01a1

<400> 41735
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 tagttttgct tccaagagtc ttaagctctc tttgtcacta tcaccattat cactattatt 180
 gccaaacctg tgaaggttcc tcccatgcta attttactat ccatgaaact tgcttttagtg 240
 ttcccatcga catcaccaga catcttctct ttcatagcat caggtgggtg gaatatgttc 300
 tgaaggaaac cagacacctt acttaccaat tcaataacgg ttagctttac attctgtaga 360
 agatccatga aatcgaaaat cccatttccc gggtgagact cagctgacac tcccaatttt 420

tcaggggatt caactgtttc agaagtacaa cttgagaact tatccaattc ctcagtattt 480
 cctgctgctc caagatcagc cactgactgt tgtgattgga agaaactact tgacagcagg 540
 atttccatga ctgcattcca tacatttggg tcacaagcaa gtgaa 585

<210> 41736
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023h06a1
 <400> 41736

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 gaaaataaaa tacatgaaga aaattcagaa tagttataga gggaaacagg gaaaagcaca 120
 acaagcaatt cttttataca gcaactagaa tccaaggata cacaaaatag agaaacaaac 180
 aaaatatgtg tatatatattgt ctggatgtct ccagttgaat tctactgata aaacttgtca 240
 tactatatat attaatgcac aaaaactgag acactgaata gcatatgttt ttgattttga 300
 acagaatcat aaactcaaac acccttgga atctttatat gcttcaatga ataccccccg 360
 ctttggtcta atgggggtttt ttctgcatta gttttggctc ctagattttt ccatggcctt 420
 tggagctagc ccaattgcct cagagccctt catgatcctt agtctccgac atgaatcagt 480
 gaacatctcc caaggaacat caccacaag 510

<210> 41737
 <211> 556
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023h07a1
 <400> 41737

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 tatgatagtg ttcaggtgac ataaatagaa aataaagaca atatgtggat ggcacaacac 120
 ttaagacagc tagattgaga gccttatcta tttatatacc attgcctgga taaactacaa 180
 agcaagcaaa attttcattt tatgatgact agtataataa tattatatgc tggttctagg 240
 gcaactacta gtccttgcta tggctcatat aagctttata tggcaactcc tagtggagaa 300

acttccatct tgggtatgat cttcttttggg tctacagctt tgacctgggt tccataagcc 360
 gatgcatgca ctccaagagc tgggtctacct gatggatcaa ggttggttaga ccaagcagta 420
 ttccactcaa cagctttttgc tgtgctacat gcaacatttg gttcttcagg aacagtgagc 480
 cttgctgagt ttacaaaacc aaattaaggg gcacagagat ctggatcagc ccttgggtaca 540
 tcgacatgaa tattttt 556

<210> 41738
 <211> 502
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023h08a1
 <400> 41738

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 taattcacgt atcacaggag taagtgttac atgggacgga actaacactg taaaaccagc 120
 tttgacaatg aaagggggga acttagcttc aaccaagcac acaagaattt tgttttggag 180
 ggaggggatt aataagatcg acaccacatt tacatatagc ctgtgtgaaa taataaaggc 240
 atggggaacg gcttgcaaaa ctatgtttgc tagctacaaa taggactcaa ttatggtaag 300
 cgaggatgga gcgaacagct ctatgctgga agaccacagt gagttcaaat gggataccta 360
 tgcttgctg agacacagct acaaggaatg cctatgacca aactataata agctgattgt 420
 gccacatgcc atctttcttg ttatccatca ccagatatgc actagccttc tagtgaagaa 480
 cacttagcca gagttactat ga 502

<210> 41739
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910023h10a1
 <400> 41739

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 ggaaaaaaaa aaaaggga aaactcttt gtctaacagg cttgccccca aaagttcgcc 120
 cccacaaaac cacttggtgt gtggaagctc cccccctt agggaaaaaa atgaccgcgg 180

cccaaaaaa tggggggccaa aaaaaaatat ttaaaacccc cccccccccc ctctgttctt 240
gacacacgag ccgcaggggc ggggatgaat ctcgcttaaa aaaggggggg ggagtaaaaa 300
aacgacgccg gggaaaacct ggtaatcccc cccccacaat tgtcccccg gaaaaaagta 360
aaaaaaaagt tttcccc 377

<210> 41740
<211> 450
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910023h12a1

<400> 41740
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caacaaggcg cccccccga gaagcggcgt aaagacaaag ccaaacagag caccctcgt 120
caaggagagg aagtcgtatt cccgccgcca gtgccccaaa aaaaaaagcg gggtttgcca 180
caaaaaaaaa caatggggga caaaaaaaaa aaaagcgaag cccgcccggg gggatgcccc 240
ggccacccta caaagagcaa aaggcccagg ccaccctgtg ggacaaatac tgaaccccc 300
cccttattat ggcggaacccc ctcccaggat attatgcccc cccccacgcc cagggtgca 360
cacagaattc aatggggggg gcggggggccc aacttccgac atgctcaacc aaaaaaacc 420
cccagagggg ggggagagaa ggaatttctt 450

<210> 41741
<211> 539
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910024a01d1

<400> 41741
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cacaaaccga acttattttc aaggacatt attacagacc cattaacat caaagttctt 120
caaatgtttt gggaacacat tcaacattac acaacgagct taaaaccccc cacggagacg 180
gaggacaagg tgaagggttg attccttctg gatgtttag tcagcgaggg tccttccatc 240
ctcgagctgc ttgccagcaa aaatcagcct ctgctggtcc ggtgggatgc cttccttgtc 300

ctgaatcttg gccttcacat tgtcaatggg gtcagagctc tccacctcga gggtaatagt 360
 cttacccgta agagtcttca cgaaaatctg cataccacca cgaagacgca acaccaagtg 420
 gagagttgac tccttctgga tggtgtagtc agcaaggggtg cgtacgtact cgagctgctt 480
 tccggcgaag atcagccttt gctgggtctgg ggggattccc tccttgtcct gaatcttag 539

<210> 41742
 <211> 443
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910024a02d1

<400> 41742

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 gacaagccat ccatcaaacc agaaaagaag ccaagcgttt gatcatggct ttagcaagat 180
 gagtctcagg cttgaagagc tggaaagcat gctcctcatc gccagcatca aagagttgaa 240
 gttcaccttg ccagccactt tgctcaacgg tgtggtggtg gagaatatct ctgtctctga 300
 actcgtcttt gccagtgata gtaacgagca acttagagca ggcaagagtg gccaaagagg 360
 gtgccccagg aacacagggg ttgatccagg ggttatcgat tccaccgggg gcacaggggc 420
 aggcaaagtt ccagaccttc atg 443

<210> 41743
 <211> 563
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910024a03d1

<400> 41743

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 tgctcgccca ctgatttcat gtcaggtcta tctgttcgaa tgggggctgc acattgaaac 180
 gccaaatcaa gcattttcat cagaacatct ccgtttacag cttcttccat taaaggatcc 240

acaagttcca ccacacttcc ttcattatac ttctgaagg cccatctgag tgtaaccgc 300
 tctgcaacag ttttcttcaa ctcaacagga cggcgggctg tcacaatttc taaaagcaaa 360
 attccaaatg aataaacgtc actcttgga gtgagttggt atgttttcat atactcgggg 420
 tccaaataac caactgttcc cttcactttg gttgaaatgt gtgtctgatc agtgttcact 480
 ggtcctagcc ttgcanatcc aaaatcagca acttttagctc gcatgctntc tgtcagaaga 540
 atgttgatg atttcacatc tcg 563

<210> 41744
 <211> 289
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910024a05d1
 <400> 41744

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 gctctcagcg aaagtctaatt ctaccacgtg tottaaggag gcaccaaaca atataaagct 120
 acagatggcg tccttggttt ttaatttttaa gttgggggac tccagataag ccgttttcga 180
 taatcattct tcagtatatt cctggaatga ttctgtaagg caccttgctg caatatagtt 240
 tccagtactt gccatacttg gatctgcaac gatcatcatc tcgttttgc 289

<210> 41745
 <211> 522
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910024a08d1
 <400> 41745

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 ctctttatta atgacaaata caaatatt cagccactcc aaatacatga cttaagcata 120
 cacaactgat taaggaatct ggttccttca atttcacatt tattttaaac caggaacagt 180
 acttaagcaa ccatagggtc cttagataga gatactgttg ggaattctc tgaaagtcaa 240
 tccctctca ctagaaggat agagcagagt gtaaggcatt ttagctggcc catagcgggtt 300
 tctcaatgtc tcattttgt tcttctctat aagcttctt tcaatctctt caagcttctt 360

tccaaacctt ttaaagcct ctaatggacc ggcacagaa gtccagtagt caccaccatc 420
 tatctgtcca aggtagaact catcagatgc gtgccttgac aagatttcta taactgtaaa 480
 gtcaatgagg gtctccttct tgccagtcac agtcttcaaa aa 522

<210> 41746
 <211> 565
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910024a09d1

<400> 41746

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 tgctactaat catagccttc tacaagaagt gaataagaaa gtatttcaag gaattgcccc 180
 tcttagccaa cccaccacat gcaaaagaaa aaaaaataat atctttgttt aaaaaaatga 240
 agctattgga gcagaatata tgtattccag tattcccagt attccagttc gatctaacct 300
 gcagagttgc gaggtggtgc tttaccaata agcactgctt cgccatttgc agcaagttcc 360
 tccaagcgtt tccaagtggc ttcacgccct gccatgactt cacttttctt tgactcttct 420
 tcctcaaact tttgtaaaca ttctttggat agatcgcat caacatcatt aaaaatcttc 480
 cgcacattta aggtcaaacc atggacagct tggttccaat gacttctagc atttctctcc 540
 aatgcaggga agatgatggc attat 565

<210> 41747
 <211> 574
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910024a10a1

<400> 41747

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 gagaaccgt tccgccgccc tccattcccg atctccggt accggaaaat gatccctttc 120
 gcgcaccca atcccggcat ggcaagccgc aacaactaca accgcgccac cgccgagacg 180
 gttttcgccg ccgccaacgc catcgctgcc gccgaatcca ggtccaacc caccgacgcg 240

ccgaaaaaac gttggggagg ctgctggagc caatattggt gttttggatc ttgtaagagc 300
 agtaaaagca gcaagcgaat tggccatgct gtccttggtc cagaacctgc tgctccaaca 360
 ggtccagcag ctgctgctgc tgcaccaaatt ccttcaaccg ccattgtaat gccgttcatt 420
 gccctccat cttctcctgc atcttttctt caatctgac caccatctgg tattcaatca 480
 ccgntcggat tactttcact ctctgctcta gcggccaatg cttactcttc tgggtggctc 540
 gcatccatgt tcaccattgg tccatagcc tatg 574

<210> 41748
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910024a10d1
 <400> 41748

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 cagtgcatta attgctgcat aaaggatgaa ggtaccatag gagctccagc tcatgaagaa 180
 gtagaaagta taggaacata accatgcacc aaaccagttc actaatgtgg ccacacttcc 240
 tgccagccct ttaatatga caggaaatat cttagacatc acaacccatg gaatagctcc 300
 cattcctatt gaaaatgac ctatgtagac cagtatgcca aatactgcaa gtgctgggac 360
 tgccttaaca ccaacctcgt gaaccttgag atagaaagca tctgctccac atgtgca 417

<210> 41749
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910024a11d1
 <400> 41749

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 caagagttta acattacaat gagtgactga gcatacgaca aaggcaaact agtgtgcata 120
 tatagaatca ttattcccaa aacgaggttt cagatttttc acctcaacca cgcattggat 180
 tattggttct aaacataccc aacacaacat aaattaagga taataaaaaa cagttttcac 240

ttcctgcaaa cgattcccaa cccatttgaa aacttggtgc aatcaagggt gccatattcc 300
 atgggtctctt tctcagcaga actttcctgt gagaacacac aagatacaca atcaggagag 360
 agcaatga 368

<210> 41750
 <211> 472
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910024a12d1

<400> 41750

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 ctgactccat tcacatgggtg gcctgtaaag gctggggaac ccacataaga tgttttatag 120
 tgaaaaagtg acacactgaa tccttcccag gcttgattcc aagttgccta aatatgatgt 180
 gatttgggct ccaatcagat gtgtccaaat gacaaatgcc aagagcttca atttgtcgt 240
 catctccatt attctcacta cctagtgaga ccttgaacac cttgctccct gttgctatga 300
 agtggcaata gtaaatggca taagggtatg gtaagggatg gcaagctacc catttagaag 360
 cattgatatc ttctgatact tccaaaatgg tgaacttttg tagagggaca cctgaggccg 420
 tgggaagtgt ggttgatgata atattatgct tgggtctctaa accaatgatt tt 472

<210> 41751
 <211> 583
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910024b01d1

<400> 41751

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 ttattcttgc acatgcaata agcagatcgc atttcacatt atccaaggaa cacatctagt 120
 tgtagcactc gaagcacact aatataatgg aaatggctgg ctagctagtt ttacttgggg 180
 caaccaggcc attggacatc cgggggagaa agtgttttaa gaaccggatt cctctcgaag 240
 aaattgggtg gcctgagctc gaatgcagtg ctcaataatg gcattatggg gaagtcttcc 300
 tgtgctggaa catgatgaat tcccacaacg tgccacagca caatgtcctt gttgttaatg 360

tctctattct ttttggcca aacggctaaa gtatcatctc catggctgtg atcaacgtag 420
 agtccaccag cccacttctc agtcctattg tatggagtga cccacacatt gaaattggta 480
 aaagcgccac gtatttgtgg ataatcgtca tctgtgagaa gaggatgagc tgggattgct 540
 ggaatcaaac ggcttccaca tcatttcaac agaggttttc ttg 583

<210> 41752
 <211> 562
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910024b03d1

<400> 41752

gtaaggagtt attttgc ttt taaattattg aaaccatccc ccgtgatgga agatttttgt 60
 gctaactagc ttagaaaata atcaattgga aattttctcaa gctcaatata tcataggtgt 120
 tacctaagac acatttcaaa aggtacaaaa aatgtttgag cccaactaaa attcttaact 180
 ttgtttaagc acttaactaa tactgattta tcctcttcaa aaccttgaga actctcacta 240
 cttcattcaa cacaattgct ggatcagtag tgtcaactcc aaccattgca gccaatagtt 300
 ccattttctc ctttgttttt ccatcaaaca gcaactcatc caaactcatc atcatttctt 360
 catctgatgc atcaccaact ccctcattag atgaatctgt gtctgacttg gcactagaat 420
 gctccccaag aacatcacia tagccagatg agtcttcatt tgggtgtgaag caattggaat 480
 tgttcagatc attgaattcc atggtagaaa aaatggngca gaatgtgctt aaagggtgtg 540
 attatttgga gtgaagaggc tg 562

<210> 41753
 <211> 570
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910024b04d1

<400> 41753

caaaaattaa aaggcaaata gtattcgaaa aacataatgt ataacaaaat cctaaacata 60
 aagccagaac gaaacctcaa agaaaatcca aaattgataa ggttttaata tgtcaccttc 120

cagaaaagaa atcagatcta ctaaataaca aggtaacatt tttcttcaat aaaaactgga 180
aatcgaagct cacattccag taaaagcctt ctttgcacca ctagaagatc cagctgggat 240
cactttcaag acattgaacc tcaactgtctt agagagaggc ctgcattgac caataataac 300
gtgatccctt tccttcacac ggaaggcagg tgatatatga gcaggaatat ttgagtgcct 360
cttctcgtac ctctggtact tcttgataaa atggagataa ttccttctaa caataatagt 420
cctgttcac cttagcactgt gacatgttcc agccaagata cggccacgga tggaaacatt 480
gccagtgaag gggcacttct tgtcaatata ggttccttcg atggcttccc tgggagtctt 540
aatccaagc ccaatggact tccaaaagcg 570

<210> 41754
<211> 512
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmro02910024b07d1
<400> 41754

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ctacataaat tcgaactact tgaacaatca attctaattt caagcctgac cttgaaacat 120
ccaattacat aaatttaatt aaacacacca caacgctatc aaaaggatat tcaaggcaca 180
tcacgacact gctaattgact tgctcaactc accacagaat agatcaatgg aactccttt 240
ttttaatgcg gtaaacaaag taaagaaaag taaactgtag gtgcaactat cacacgtgca 300
acatgacaat gatatcactt catcacttgt taattcttct gcagttcttt ctgatctcac 360
cccttgaccc tggttaaagga gtaatgtttc ccatcttaac catggacttg gcaaattggt 420
caaagaaaat atcgttggtt tctgcatact gtttactaa atccgcggat actttattct 480
ttgtcaagag aatntcgtca gaacttaaga ga 512

<210> 41755
<211> 521
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910024b08d1
<400> 41755

09531113.032200

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aacttcatcc aatgacattg atcagagcaa ttatttaaacc accaccttat tcatctaata 120
cttaactgcc ttgcttacct caatgttcaa gaacaatata gagtaaatat tcgcagacat 180
tgaactaggt gaccaattcc attattgcct caaaactttt tcagacgaac taactcacct 240
tgcttagctc cagattcaag cattgcctct aacacagcaa catctcttgc accttcgaca 300
taagagaggc gaggctcagt cacaaactga ttccgcttct tgagggtgat ttcagatata 360
tgattaataa aagcttttaa ttcttcagtt actccactga atgggaaaaa agagctttcg 420
atttgtccat cggaaccata aaatgaaacc aggttaccat gttgagcttg gaatccacgc 480
tcaacttgta gggttccaat taagccaaca acttgccaca a 521

<210> 41756
<211> 466
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910024b12d1

<400> 41756

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agtacaacca aagaaacgaa aggggggggga gacaggttag agtgagaaac attacataac 120
agtttccaaa cgcaaactaa ttctatctac tacgacggag gacaaaatct gatcaaagga 180
gctcagcaac atttgaaggc agctcctcaa cttgcacgtt gtaaaacttt tggatgtcaa 240
acagcatttt ctgctcatcc tttgtgacaa aattgatcgc aacacctttc cttccgaacc 300
tcccactacg accaatacgg gggagatagt ttcaggctg tgtagggaga tcaaagttta 360
taactagaga cacttgttgc acatcaatac cagcagccaa aagatcagtg gttattaaga 420
cacgggaaga cccagaacgg aattcacgca taataatgtc cctggt 466

<210> 41757
<211> 546
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910024c02d1

<400> 41757

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 aggagcaagg ctacagttaaa taattaaaaa aaatagtgtt tctcatagtg atagatagat 120
 aatatacaat ggaaacccat caagtttcac ccattagta gctatatatt atcaaattatt 180
 caccactcaa aaggaaccaa attccctaac cttttttcat tcttttttct taggagtagg 240
 aacagaacaa aaacaaagag gctaaagtgg gggtttgctt ctggatgatt ccaagcgatg 300
 aaattacaag aacacccctt ctacagtgtg gcaaaatctc atccacatat aaaaacaaac 360
 cggcccaaaa gtgtgttttt ttttttttta cttccaagaa ctgtaccact tggtattaga 420
 ccctcaacag cactagcaaa aggggtgagaa caaggacac tagcaacatg ctctgtgtctt 480
 gcaaataaac cactcctttg tttgagtcac tgaagcctcc tncgtgtcca gttgaagatg 540
 ttgggc 546

<210> 41758

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910024c05d1

<400> 41758

gcacaacagt aaattttatt tcaagctcaa tcgttcagaa tccttgggaa agatggcaaa 60
 aatcttaaat atacttataa catttaataa ccgacatgta ttcattgagca tggcgaaagg 120
 tacaaggtg aggaataagg cgagccagga tcaatgatga ttcattttg acccatttgc 180
 aattcatggg ggaggtgacc ggcgcctcct gacacggata ggtcaattgt tatagccttt 240
 atctgaagat tcggttagat catcaga 267

<210> 41759

<211> 550

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910024c07d1

<400> 41759

ctaattgcaa tttacaaaat attcgataga cgatcttcaa atatgttttc ttaaaaccga 60

<223> Clone ID: jC-gmro02910024c09d1

<400> 41761

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ctcatattcg agtgtatggc atttcattga ttttccagga aaaaaataa ctaattaact 60
tcaaaagtaa aactatccac ttcattccaa ctcttcaat tccattttcc gaagaggaat 120
tccataatgg aaacttggga gggaggagga taccaaaaca ctcatgatct tgttcgaact 180
aacaaaatac ccattatagg aaaacatgta taaccatcac agattttctca tattacaagc 240
tagttagtgt agcataaact tcaagtttcc tgtgcaaaaa ccatagcacc acgaagttca 300
actagtgcc a ctgcttcatt aatcgcatcc atcacttctg gctttcccc actcactgct 360
tcatccattg gagtcctctc gtgactgttt aagacactaa cattagctcc agccatgatt 420
aatttcttca cagccttcac atgcccattg agacatgccc aatgaagagg tgtattcttt 480
tcctcatttg gtgaattaag atccaccct ctactgatta aatactccac aatatcaata 540
tgtccattag ctgcagccat atgaaga 567
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<210> 41762

<211> 550

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910024c10d1

<400> 41762

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ctaaacacta caaatatacg catttacttt aacaaatgag tgaacgataa acattatcac 120
cctaacgagt aaacatagga aacttcaaac ttaactacag tttagtggag aagaataata 180
taatatcatg tatgtatgcg acaaactagg caagaaatgt ttattcatca tatcagcacc 240
ataatccatc ggtcaaacct tggacgtaat tctgaacgag taatccagga aaagataaaa 300
aaagaacaaa atcagcagct ccatcaaaag cttcactttt ttatcactca tctactctat 360
tggtgggggaa tggaaccacc agcagccttg atttggtgct gcagactgaa taagtactgt 420
agagcgttct tcagtagaga gtactcctgt tgcaactgtg atagacatct catacatcct 480
tcctgggttct tagcctcaca aaaagctctg aagggtggcg acacattttt aactctagca 540
gcaccaatac 550
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<210> 41763
 <211> 536
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910024c11d1

<400> 41763

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 atttcaagcc atgagaggaa aaggaggga aaaaaacaaa gggtagatgt aactagaatg 180
 gccgcagggt atctttttac tgtagcaagt agggatttaa catgggtgga tatgctacta 240
 tgtgagcatg accccacaac cccgacgata atacaggtcc atgaaagtcc tgtacgcatg 300
 cacatgggtc atctatccat gttaaataga gggccgcagt aaaatctatc caagctcagc 360
 gggtgcttca cactgatgat caatgacgaa gtgaacgggg ataatacaaaa gggacagggg 420
 aaatggcgtc ttccaagaga tccgggcgca tgtaacaaaa tttacgcatg acttgattgt 480
 cggcaaaatt cacagccctt tgcattccgg tccagcaatc attagcggaa tacatg 536

<210> 41764
 <211> 572
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910024d01d1

<400> 41764

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 cgatgtagca tacacatcta tatcatatct acttagacca tgcaactgca tcgatctcag 180
 cttgtgcact ccggtataac tcaagtctct ttgatagggc acttcgtctt tccatgattg 240
 caggatcctc attcagaaat gaggacagac gcttgggctc aattttgcct agctcggatga 300
 aaaactgatc aagtaggcct cgtttggctt ccctcacttg acaatagaca attgacttgg 360
 gaattgaatg acgcagactt gcacagacca tattgacata agacagaaça ttggttcctg 420
 tttatacata cacatcacta ctgtagtag ttttaattcat tttcaacata ttgacaatgt 480

095413.032200

acaggctaag gttaaactat tagggaaagc atgatatctc agtccaagtt agaaaatgaa 540
ttttggaaaa cttaccagta cttctaagat at 572

<210> 41765
<211> 544
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910024d02d1

<400> 41765

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tccaagcttg gaaaatacgt cggttcaagg aaaatctgag tcaacgagtc agccgagtcg 120
caactcaacc caactcgggt accgtagcc tctgaacttc ccatcaccac cgccaacacc 180
tgcttatacg cgtagaagaa tctcttcac gccgcctcaa tcgcctgcat cgcttgcaac 240
aagtgaacct tctcgaactc gctcttcgaa acgtagagct tcacgcccgc ctcttgaaac 300
ctcggtcctc ccttcggatc cacctccacc tccaatatct ccggcacctt gtgcctcaga 360
tctctgcaca tcttcgtcag ttccactaac tcattcgatc tgaagcagaa cgatgccgtt 420
tcgccgctcg aggatttcac cgagagttga ttctttagcc tcaagaaatc gtcgggatcc 480
atcatcaggt ggaggtcctc caccttcgag agaagcttcc agatcctctc cacggcgtag 540
cagt 544

<210> 41766
<211> 610
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910024d03d1

<400> 41766

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atcaactatt accatgctat aagcaaagcc cttgcacgga cctaactttt gctgtagttg 180
ctacttgga ttgctcacia gacagcacca caaatttctg tcttcttcac atcaccacat 240

tattttctcaa ctttatcaca tcaaccttca actgtgttgg ggacgaagaa tctgatcaac 300
 aagctttctct ggaagctttt tagtagcctg gaagttcctc atgtgcaata taggttcaca 360
 tccaacatct gccactgac tgccattcgg tgtttgcaac ttaaactcgt ctgccttgta 420
 tgcagaaagg atattttctt catcgggtag gtgattgcta actttcagga gtgagccaag 480
 agaattcatc ttcattgatg gacaagatgc acagccacca tgaattgaac agccctnccc 540
 gtagctattc ctgtacacag gaagtatgat atcaccact ttgcagtctg aaggccgagg 600
 ataaacttga 610

<210> 41767
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910024d04d1
 <400> 41767

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 ttgaacatta aaattaaaga ccgaagagcc ttctttttgg aaaacttttc agccaaactt 120
 gacaaatatt tgaattttct acccattcta ctcaggcttt caaaggaaat ttttgacaac 180
 caaatagggt gtaaggccca attagcaaga atcctgtgtc aatggatgaa tcaatgttgt 240
 gcacctcatt ggatttgaag tcttaaaatg tgtgatacct ttcacaattc aattttttta 300
 catcccatca cagcacactt attgacaaag ttgccagacc gttttttggc gagtcgattc 360
 cactgaggag gtcctttatt gggaacccat taattgagtt taataaaacc cttaccatga 420
 gtccttggtc caccgatgac aataagcata attttccacg ccctgaatg 469

<210> 41768
 <211> 519
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910024d08d1
 <400> 41768

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 aaaatatatg gaaattaata tagttacatg gcactttaca acaaaagggc gctcatgaag 120

ccgtaattgc	acctacctag	tcacacagat	tgaataaatt	acctaaggga	gtttgattgg	180
caacaagatt	gaattttcat	tcaacttgat	cgttttctgc	ttgtaagcag	ggaacttaag	240
tgataaaaaa	attaaaaacg	aattattatt	tttccttata	tgcttgcttc	aagtccttga	300
gtctttctgct	ttaagcatac	tcaggattca	gtgctaattc	ttccctgtag	atcatctctt	360
ttattttgctc	ttcatccaat	tgctgttgct	caaaatcaaa	tgagaatggc	tccatgcaga	420
ttggttcatc	agctacatca	tgcagttttt	aaggatatga	tgggctagtg	cttcttcaac	480
tgaattcttt	tggtgggatc	aactgtcagc	attttatca			519

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<210>      41769
<211>      387
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910024d09d1

<400>      41769
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gggcctttttt	aaaactgggtg	gaaaaaagtt	ttaaaacaat	gggggtacaa	ggggaaggat	180
cgcaccccc	agaaagggga	aactttggga	acttaaacca	atcatgctaa	accccccata	240
aaatgccccg	gttataggga	accttttagg	catgaaggaa	acttgttccg	cattaaatcc	300
cggggaagga	aaccttccaa	tctggttgga	aatggggccc	caattgccag	gggggccttt	360
ggaacaaaaa	ccaacgaaaa	gttttttg				387

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<210>      41770
<211>      515
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910024d10d1

<400>      41770
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caagttcctt gcatggcata catcaaggaa aactgggaag ttgtttgatg tggattgatt 180

tgccacagcc ttatatagac aaaccaaagt cttaatatca acacaaacac gtgtacagaa 240
 aagaaaccac tcttcaagaa aacagaaaat aagaaaaact aacatattgg aagaggtgcc 300
 ccattccact cccaaggca ttccaaaagt ggatcaatga tcttcccttg gcacaaagca 360
 gtgaacactt tgtcacactc ttcacccggt gagataaccc tttcaccagt tagcaatgct 420
 gtccccaact cctctctcac aaacttgtac aaggggtaag acctgcattc cttgatcttg 480
 tttggaatag cacattgggtc attctcatat gcaac 515

<210> 41771
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910024d11d1
 <400> 41771

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 aaatatcaaa tatactgata aacaattaat aaccgacatg tattcatgag catctggaaa 120
 ggtagaaggg tgagaaagaa gagcgagcca ggatcaatga taattcaaat ttgacctatc 180
 tgtaaactcat ggaggaggtg tccgccgcct ccggacacgg ggagggtctac tatcagagcc 240
 tccatctgaa gattcatttg catcatcaga tccagattgt ccgtcataat tttcccccca 300
 aagtgtagta gtgggtctcc ttattcgcat ttggagtgtc gtacctcttg acatggaagc 360
 aggctgaaga atgaggaaaa acacagccag cagaccacca tcatttatgg gatcatcaac 420
 cccaatg 427

<210> 41772
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910024e02d1
 <400> 41772

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 aaagttaaaa aaacccttaa cagatctagg ggtgaaatgg agaaaaatcc ccagccccca 120
 aagatgggga aaaacagagt agttaccctt tttgataaaa atatcaaaat ccagagaaaag 180

taattttaagc aatcatacaa acccaagtta cacaaaagaa gagaatactt ttagcaagca 360
 ttctgctatt acaacattga caagaaagga taagcatttt tctccaagaa cgcctact 420
 cagcaggaaa tcaccagaca agaccaaaaa ttttcaaagc tctcatgcct tgctggcaat 480
 gttgctagaa agccagtcca aacccttata gagacccttt tcagaagttg c 531

<210> 41775
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910024e05d1

<400> 41775

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 atccctcaac tcaccccaaa aataagatta cataaccata ctgttaagac tattctttat 180
 ccaataccac ttcccaaaac aaatgctaaa tttcattgag actcaggacg aaaaacagag 240
 gtccctatgg agatcacccc aacacgtgag atgcaaatta atatcaattc tgtaactctt 300
 ttgagaagca tctttcaatt ttccggaacc cattaggcca aaaacagtgg cagcaagcag 360
 ctaatgtctt gaacaaagtg gtgccccaaa ataaatatgt gggaacttaa aagctttgtc 420
 tgtttgaagg gtttggacaa tttgatgcac gatgcccgga ttttccgcaa ttaaaacagg 480

<210> 41776
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910024e09d1

<400> 41776

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 tgggtgctata ttccagtata attttagcct acaaaagaat cttaaagcta caaaacctat 180
 tccacatcac cagatctacg atatggcatg tatctatggt cttttgcagc attcctcttc 240
 ctctttttct caacaaatgc ttccagtttg ccagatgact tgagatggtt atatttttca 300

ataagccttt gcttccgtat ttcagatttc ttgagataaa aaggacgttt tccctgcttt 360
 gctgcttctc tctctttctt tctgtgctta gccaatatct ctgcatcaat atgcttcgct 420
 gaatcagact tcaactgggt atcaatccat gatatacgtt cttctatttc atttacgcgc 480

<210> 41777
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910024e10d1

<400> 41777

gtcacaaatg cgtatgtaat tgttgagggt aggttggggg tgggggttgg gattgggatt 60
 gaaaactcta gagccaaggc tgtgctaaaa atttctgaat tcccctgagg aagagcccaa 120
 gggacatcat aactggtaaa cgacaaatat cccggatttg taagaaaaac ataacaaaag 180
 cctcctgttt gggatgaagc acgtgtaaaa agcaaactc ggctccatcc cctatgtgca 240
 aaagttattc caacacaccc gcgcataac 269

<210> 41778
 <211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910024e11d1

<400> 41778

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 atgctatata tggtagatat gagcatcaat ttccccagta aaactggagt ccctgatatc 120
 atatagagga tagattacat ttttcttaaa ttgtctaacc ttgcctgtaa atcactatct 180
 atccccccat catcattccc agtcgtttca acttgaggta cttttgtctt tgaagccggg 240
 gcagcaacag ctgatgatgg tgcatttaca agctcttggg tgatgtcaat tccaatctca 300
 tcaaggactt ggttaactag atcttcagtt tctcttcat cttcttctcc ttccaaagca 360
 tcatctattg catctcccat catctcagat gtcaattcca tcttctcatt ctgtctctca 420
 aattcttgca tgattttctg caaagatggc aagttcattt gcctattcat ttgccccat 479

<210> 41779

<211> 556
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910024f02d1

<400> 41779

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 atgaaacgca cactaagaaa taaagtcac tatcaaaaga aatgaaaaac taaactaaaa 120
 ggggttcctt tttaatcctt ttcttttcga ggcagatatt gagcttgctt taaattttga 180
 ttttttaatc tttcctcgaa tcctgttctt tgggtggtttc aacttgtaaa tccgaaccat 240
 ccaatggtga gttgtgaaca cctcttcaaa atgcgtaagt ttgaaatggt tcttcccaat 300
 ttctgtctgc ctactctgt caaaagcctt accatctgtc tccacaaatc tgtaatatga 360
 aagtttatac atgagggagt ttagcattgt tgggtgtggc atggaatcaa tccgatattg 420
 accgtccctt aaataatctg gttcctttat gtgaggggaat acaccccctn caatacgaac 480
 catncacagg aacttattga tatcatcact gggatagcca accagtcctt caaagacaac 540
 angaacatat ttgaca 556

<210> 41780
 <211> 459
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910024f03d1 .

<400> 41780

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 aaaccgaact tattttcaag ggacattatt acagacccat taaacatcaa agttcttcaa 120
 atgttttggg aacacatcca acattacaca acgagcttaa aaccccccac ggagacggag 180
 gacaaggatga aggggtgatt ccttctggat gttgtagtca gcgagggtcc ttccatcctc 240
 gagctgcttg ccagcaaaaa tcagcctttg ctggtccggg gggatgcctt ccttgtcctg 300
 aatcttggcc ttcacattgt caatggtgtc agagctctcc acctcgaggg taatagtctt 360
 acccgtaaga gtcttcacga aaatctgcat accaccacga agacgcaaca ccaagtggag 420
 agttgactcc ttctggatgt ttagtgcagc aagggtgag 459

<210> 41781
 <211> 576
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910024f04d1

<400> 41781

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 tatgaatatc ctaaagtaaa caatcaaatt acaagataaa taaaaaaaat aaaattatga 120
 aacaagcaac atacattggg aaggcagtgt ccacaaattc aaacagcagg gaatatgaac 180
 atcccacaat gcaatcgacg ccatcccaaa ctaacacaac tcattttccc ccaccaaag 240
 aaaaaatggc tcaggaatca tatagcatct atggggtcta ctttccgact accgaccgac 300
 tcaaaatatg aggcccttaa acagactcaa tccttttatt atatttatgc tgcattagaa 360
 gaaatgtgga tttgggtggt gggggggaag aaagcaaaga aacaaataaa ttgctgatga 420
 cagtaggcat tggttgagca ggagaccaag gtatatgaac tttgcttgct taatcatcaa 480
 ttaccagcat ttctgctgta aaactgggtca agagtcttgg ctggtatacg atgaagaagt 540
 tcacgaggga aaaatcctga gtaaagtcca tgcaag 576

<210> 41782
 <211> 579
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910024f05d1

<400> 41782

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 ggaagtggac ttggttggtt tcaagaacgt tgccacctta tacattgaat aatgaaagcc 120
 agacaaagca ctacgaacaa taagagccta atggctaata ataatacaaca cccaactata 180
 cacaaagtta ttgaacaagc agcaacaaag ctttatgcac aattccatga tggaaatggt 240
 ccctaattccc taaaatgaat ctacaacttg cgagacacca ggctccctcc cccatttcag 300
 atgccgtcga gtgcattttt gagattccct ccaaaataca acatgagggtc gccgccgtgg 360

accctgccct cccgtagatt aaaatcgagg cctttctgag cactgctgca gccagcagcc 420
 gagctttggc agtttctgtc ttggctctggc ttcttggcag ccaagaagtt tgaataagac 480
 ggtgatttca tcgagagcgg aactaacacc tncctgggta tcaggtgctg tctttttgct 540
 tgagtttcca cngaatacgta ngagtcggac agaacactg 579

<210> 41783
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910024f07d1
 <400> 41783

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 gtttttagacc gaacatgttc tgaatagagc taatcaatct cgtgcaaaaa ttgtcttgca 120
 acaactatta tatggatgga ctacaaacga gagacttcta aggtcatcac tttttgtctt 180
 ccttctcagc ttccggcagcc ttcttcagtc tggcaccata atggcgtttg tttgtgcgtt 240
 caagtcgaag cttgtaataa gctttaaaag ccttcatgtc atctgtaacc tttacaagtt 300
 caacagttgg cttctccctc acaataggca agaaagaacc ctggacttgc gttgcatttg 360
 caagctcctc gggagtagaa tcaccagcct taaccttctg tgcccgtctt gggaacacaa 420
 ccaatttggc cttgtatgtt ttcagcctct gcacattagc ttgcagactt tccaaagaac 480
 ggttcttgcg gcgatgatca acagcaat 508

<210> 41784
 <211> 473
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910024f08d1
 <400> 41784

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 gagccctagt caaaaatcaa aaccaaattg attaaagaat ccaatgcaaa gtttccaagg 120
 gtgccttta gcaacaagtt aaaaccatt ctttttcctt cccacatagc aattatttct 180
 tcggctaaaa tttgaagctt acccccaaaa ttaaattgac taggatagga catttaaaac 240

cctgaatttg ggggggtatt ggacttatgg cctggtcatt tattacaaaa attgcatcag 300
 ccctacttta aggggttttg ccagttcctt aacgcccatt tggaattcat cctccatttt 360
 ggttacgaag gttgggtcga aaacagagga acccaaagac aaggggctgt tattgaccac 420
 cgaaagatga agttttttta tctctctgaa tatgttcacc agccctggct ttt 473

<210> 41785
 <211> 507
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910024f09d1
 <400> 41785

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 atactacata accacaaact tctttcatat acataactag aagctgtaga aatttagatt 120
 ttattccaca aacatagcac aacataccaa cacacacatt caacttctga tatattcatc 180
 atcatagaaa ccacacaaag actttcttca tatcatacat attttgtaca cctcaaatac 240
 cgcagtatgc cttgatccta gaagcagatt ttacagcttc ttctgtgagg aagaaacgaa 300
 gatatccata atgggtcaaat ggtttataac gaagaggatg ttcctcatcc actaattctt 360
 cctctggttc catcacctta ccagcatatg aaagtagccc caaacagtat ctgtctacct 420
 ttgaattcat gaatacttgg tgtacacaac cccgtatcct gtcattactc cataccatga 480
 atgcatcacc agccaagaca gcaaaca 507

<210> 41786
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910024f10d1
 <400> 41786

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 tcgtacacca gtagctgtat gtaaaataaa aatataatag attgaaagcc ctattatgat 120
 gaatgactag acactcacia gcaattagca tggaaaatga tactttgata gcatacaact 180
 agacgaatta gggaagcagg atagaaggag aacaaccgga atggcatgct acaaggggac 240

atggaaaactt tgaatgaaag caaacttgga taaaataaag caaaaaggcc atttgcata 300
 atcggaagtt acaacagatt acgtacatga ttcaagattg agtaacatat aatacaggaa 360
 ccagtccagc catcttgcca tccctaccag ggcgtttctt cttaacataa aaccagccat 420
 ctacttcgta ctcaatctca acttcttctc t 451

<210> 41787
 <211> 513
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910024f11d1
 <400> 41787

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 cagcatccaa gcatcatgca aatgttttct agttcgggca aacttaaggt caatgcttca 120
 gcattgatac acctacactt aaacagagat tggaatccag caagtcataa agaaaagtgg 180
 gtcattgtaa ggtgaaagtg catgtttagt attttttggt ggggggtgta cttttcagaa 240
 tgtaacaaaa aacaatttct agtttcggta aattaaaccg aaccgaacat acttgaagca 300
 tatgcatatg actatcatga tgtatttgct atgacaatat atccccaga ccaacaactc 360
 tcaaaatcag gatattttta catcttttaa aatccttgca gccattgctc cataccttct 420
 ggcttccac tactaagct ttgcattttg tgagattggc ttactgtgat cctcaacatt 480
 ttcttcaacg agaccagatc cttctactac aac 513

<210> 41788
 <211> 507
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910024f12d1
 <400> 41788

gaaagcgtat gcgtttaaca agaaataaat tacaatttct gggtgattct tcaacatttt 60
 ctgcggaatc acacgggaaa ttctgaaagg aaaattcgag aaatccaaaa aaaaaaaaaa 120
 gaagtagaaa caataattaa tgtacaggat atagtccatg agacgcaacc aaggcctttg 180
 aaatctcaaa aatgagcctg gcctcaaacg catcaccggt ataatactta gacattgat 240

gattgattca actaatcaaa tgattgaaca gtgctacagc tcaattcatt ctcttgatta 180
 gtcattgat gtaattctcc cggtttccag catcacctcc ctcaacataa tggtttctct 240
 tcttctttta gccacccaaa ggagccttga gcttaaattgg ccaaaggaag ttgtagcct 300
 ccttaaagtg aggtccaaca gtgatgatct catggatcag atcttcagtg gatatgattc 360
 catacttgcc cagagcctgc tcaatgatag agttgtcagt tagagcagtc ctctgcttca 420
 ttagctttcc ataccctctc ttgtaaataa gttctctcac actcttgaga tttgggtatc 480
 cataagtcac atacggttca actctgtgca gcatgttcac tgtggctatg ttaactttga 540
 gaaatacacc attgaaaatc tgtctcaatc gcaacaactg caggatct 588

<210> 41791
 <211> 513
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910024g05d1
 <400> 41791

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 atatttttct tttaggaaga cgctgacatt cattagtaaa gcagcccaac gaaatcccct 180
 gaattatggc gagcaaactt ctttcaggct aatgggtatt aattacatct gtcagaaact 240
 tgagaaataa ttctgagaat gttggactat gggcatttcc gaagatggtc ggcattgagtt 300
 atcgtcgttg atcaaggtca cttgtggtct tgatgccccaa agagaactaa gggcacgaag 360
 acgtccatag tactctgcaa taacaataaa gtatagcgct gctagacgaa ctgtgagtca 420
 tcgatatagg tgatgaacag ttggctgcct caaattatca gactggcgaa caaaacctta 480
 atagattggc aagcttgcac atggcaacga cca 513

<210> 41792
 <211> 578
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910024g07d1
 <400> 41792

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 taccatgata ctcatctccc ggtgtggaaa atcctttggc caaatagaag ctaaattcta 120
 ttacatcaa taaaaaagaa ctgaattaat acacagtaaa tattggaaat aaaattggct 180
 gaatgaaacc aaaagtaatg tagcactggt attcagttaa gaggttcacg catcatctgc 240
 attccggcta gggggaggag taccggcaag ccaacccac acgccaccag aactctgcct 300
 ctgctttgag ttttaaggcag cttgctctga tgcagccttc tgccgctgga gaagctccag 360
 ctcttctgt aatgtcccaa tcgtttggag cttctgacct aattcagcaa cctccacctc 420
 gagtttgaac cacctcgatt gctcagatgc aagctgacca cgaactgatt ggagctcctt 480
 ggaaaggta gagttacgag actcagcttc caccagatct tgctttagtt gaagagcatg 540
 ctgattttcc ttgctcagtg atgaattcaa ttcttctt 578

<210> 41793
 <211> 614
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910024g08d1
 <400> 41793

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 tcacaattct tgcaagaaaa ccaccattga aacagaccaa acatgaacga ttaaaggaag 180
 agtaacagac tgatcagccg cttgaaaatg gccaaactca aaagtcaaca agaaaactta 240
 gattttgttg aatgcaacaa tgtcacagct ctggatatac tcgttgcatg gctcaactgt 300
 caagcgttcc tcaacaagag tgtccactga tacaaggta tcaacaatag tcatcatgat 360
 ctgcaacttc ttgataccat atcccacggg aactagtttg gatgctcccc acaataaacc 420
 aggcatctca atactacgga cagcctcttc cagcttcttc atgtcggctc catcgctcca 480
 aggcttaaca tcgagaagga cagaagactt gccactctct ttnttcttgg caggcttttt 540
 agcagcctcc ctttctctg ctgccttctt atcctcctct ggctcatcac caaagagtac 600
 aagatcatca tcat 614

<210> 41794
 <211> 398
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910024g10d1

<400> 41794

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 aagaccttac cggacattgg acataacaat aaattatttg gctttaatgg gggccccagg 120
 gaccctttta tgagtggggg aacagcccca ttcccatgtg ttttttctgg aaaacaccct 180
 aaaatttttg ggaaaccaag tttttccttt catgggtgtg gctttcaaaa tattcccttg 240
 gcttttttcc accgcttggg ttggttcttt tgggtcttcc caaactttgg ttataaaggg 300
 ttgggttaac ccacttcaaa caagggttg tttgggtggc cacacacttt tcacattctt 360
 gataataaga gttttgaaac ccgaaaaggc ttttttgg 398

<210> 41795
 <211> 448
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910024g12a1

<400> 41795

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 aacgaatcaa cggtagagaa gcaacttaaa cattttggta tccttttggg tatggcactg 120
 ccacatgcat aagaaccaac attgacagcg gcacgtatat taatttaatt atgcaataac 180
 tgacacataa tccacggtaa gtattaccct ggtgcagttc gaaacaatcc aacactgcca 240
 atctccatag agagttgctt atcttgcacc attttttagga ccacacatta tcttgatta 300
 accacttgta tatgtgtaag catacatata gaaaatacat actacataaa cagcatggtt 360
 ttagcagatt cctgaacctata tacggtgata attttaccag ttccaaatga tttagttcac 420
 gacatctaga tttatacaaa ctttggtt 448

<210> 41796
 <211> 434
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910024h01a1

<400> 41796

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ctctattatc gtagccaacc tacacctcgc cacactctct actactctat acaggattag 120
at ttggcaca tggacagtga tttaaacagt aactactgt cttacacaat catcgatcatg 180
gaggatgggc tctaccacaa ctcggtttgg cttgaattgt ctgcatctga tgaatgtgca 240
gctttcaaaa gagaggagga tgaaaagggc ttagacgtga acaaggcacg cttaacgtat 300
ggtagaagaa ttgggtcaaa gaagatggga tctgtaacca ggaccctct catgagagct 360
tctctgaatg gaagcgctag ggtgctcaat tgaattcgct ttgagaagaa aggacgaggt 420
gttgatatga acag 434
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<210> 41797

<211> 587

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910024h02d1

<400> 41797

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aaacactgct gactgcacaa gcaagcattt catgccggtt aaaagataga attcaciaag 120
caaaaacatc tgtgatcatg tttaatccaa acatcaaact aacaaaaggt ttcttgattc 180
taacttcaaa ataagaattc tcatagcata ttgtatcctc agtgcctgta tgttatttca 240
aaggccaag gtatgtaatt tctcattcta atgaatatct gcactggcat ttttttctcc 300
ttcattaacc aagcttttct gatcaggggt aatgatacct gtatccatca cgaggtcagg 360
ggaagagtct attttctcac tgtctgaagc atcagtatct gattctaacc tagtcgaatc 420
taaagaaaga gcaagatttg ggactgatgg tggagagttt tcccttgtcc agagagagta 480
agtcttctta tcatcctctt tcattctctc agcatatcta tttatgtcaa atcctggatc 540
atcattcccg ccaaatgcag attcaagatg atcaaaatca aacaaat 587
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<210> 41798

<211> 571

0953113.03200

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910024h04d1

<400> 41798

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cttttttcca tcgtgtctcc tgaataaggc aaaaggtaaa aacaaaagag cactgcagtg 120
tgcagttttt cgtgagaacc tgaaatacta atatgaacaa atgaacatct cattccaacg 180
atcatcactt ttgtcaaaat tcaactacaa agttgactac acaattgctg gatctgggaa 240
ctggttggat tttccatgaa gtatgtactg aatttaccag tgcttgagca tgttacgttc 300
agctggttgc caagttggtt tgactcgcaa tatgctgcct ctgtatggca gctccatttt 360
gaagttggaa cgcaagacag ataatggcac caggagcagt gatcatttgc atcaacacca 420
cggagaaggg caaccagccc aacagaaagc ccaacaacta gaatgatcag ggagaggacc 480
cacaagatgc actgatattt cttgaattta ggcttggatc gtcctggaga ataatttagg 540
ggagcatatc ngtggttaac ccatccaaac t 571

<210> 41799
<211> 401
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910024h05d1

<400> 41799

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ggaaaggaat agaaaacaat gaacaaccct tggcagttgg ttgcaccaac caaagtagcc 120
acaaatcgaa atcctagaaa aatcaaaagg taaaaaataa aaaggaccaa accctactta 180
gaaaagcata actgttcctt ggtccttggt ccttgatcct tgttccatcc aaaggagac 240
aacatgcaag ttttgtcat ggcttcaca gaatggttgt gtctgcaatc atggaagtaa 300
ccacatatgg gtccatgtta gaagctggcc ttctgtctc aaaatatccc ttcctgctt 360
tctctgtgtc ccttccaacc ctaactgaag cttcacggtt t 401

<210> 41800

<211> 592
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910024h07d1

<400> 41800

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 caaaacgctt tacttgaagc ggacaatttc ccatttatat tgtatcacta tcgtctaaat 120
 aaatgactcc ataaagcaca ttacagcag caaaaatgc acagccactg ctttttatta 180
 atccataaat cacttcatac atagcactgc attactaact atgacgttca cacttcaatg 240
 gctgaccaac ttaagagagt ttgccttctc ttgcagagaa tccaggaggc tgtcaaagct 300
 cttctttaaac gagtccactc cttcaagtgc aagctgggaa ccaacaaagc tccagtcaat 360
 acccaatttc tggagagcat tgtatatccc ttcagcttca gatgcatttg agtctattgt 420
 cctggatagc gtaccatgat cgataaatgc ttgaagggtc tggctctggca ttgttgatac 480
 agtgtcgggt ccaataagag gagcaacata taagggtgtca gaataggcag gattctttac 540
 actggttgag gccagagga gcctttgctt cttggcccc ttttaactag ag 592

<210> 41801
 <211> 531
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910024h08d1

<400> 41801

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 aaaatcaaat aaaataaata agcactgcag taggtcttta aatcactatt gctcggatc 180
 tgtagtaact taattaatga ataccattat catatatgaa aacctaataa attatattgc 240
 aatgcaaatg cttctaaaat tttgtacata ttaagggtaca tgtaaaactca caagggtacaa 300
 tgatctttga gaacttgctt agcaagatca agagcaccac tttttttgta gattaaatgc 360
 aaattgtaag ctgcctctct gcgaagggtca cagtaaccag gtttgtgagt ttcgatgcta 420
 tcgggatttt cattgggaag ttttgaatt ggatagtctt tctcaciaat agcaataact 480

ttctcataat aaaaagccgc cagagttaca agtccaacat gatggaatgc c

531

<210> 41802
<211> 439
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910024h10d1

<400> 41802

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taaaatgtta tgtacattag agtatcataa agaaagctag gccataaat tcaagttgtt 120
aaagcagacg tggataaatc aaagactgaa accaacacaa ctagtaatca acatttggag 180
ttcattttgt cgttttggat ggggttggtcc gactccaaa atttgcccca gatggggtgt 240
ttctgccaaa ccatactcat ttctcaagt gggatgcctt ttgtctcagg caataacttg 300
tagatgaata aggtcatgat caccacaaag caccacaaaga agatgaacaa accaaacttc 360
atgtgacaga gcattgatgt gaagaattga gctatgaaga aagtgctgat catgttgaca 420
ccaactgtga tactctgag 439

<210> 41803
<211> 542
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910024h12a1

<400> 41803

aataataata ataataataa taataataat aataataata ataataatac atagttatga 60
aatttgggtc aataaattat gaccattagc catgagctca ttgatgaggt tgtttagta 120
gtttactcct tcatggttta cacctgcact aagttttcct ttcggtagta ccctagacca 180
tgaaatggaa aatctataag catccaaatt catatacttc atgattccaa tatectcctt 240
ataccgatga tatgagtcgt ctgctacatc tccattactt acatttttta ttttttctgc 300
atgccataag tggaaattat acattaaaac gggcaattta cagtcaaacc ctgttgatga 360
tgaatctttc gatgctttcg ttgaccagta gcatatgcat tgattgttct gtgaaacaaa 420
tggacataac tcccatcttt cttagcacct ggaagatttt ccggatgtgt gtagcaaatt 480

ccttgggtctc cttccagtgt tgggatgaac tcattgataa acatgtagct gaagatgagt 540
ag 542

<210> 41804
<211> 454
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910025a02a1

<400> 41804

gtgtcaaaag gaatgtatta cctgagaaaa agtgttgcta ccgctcctat tgtacaaaat 60
tgcatgggca aataagagca tgcaacccaa ctagcatata acatgcctt cttatctacc 120
gctaattttt aaaataaaca atgcatattc tgacgtacat aagtttatag caaaaccact 180
cccatagta gaagtactat caccattaga aggcttctaa ttcccaattc accactatgg 240
agattggagg cagaagaaac tgaatttgtg gaattcagtg atgataacgt gacgttgggg 300
aagctgccat tgattccaag acttctctgga aatacacagg atccatgact tggattgggtg 360
gtgggagatt gtagccatgt cattgaaatc acaagactga gtagactttc ccatctgatg 420
atagtaagtg tcaaaaagca taatttgcac gtgc 454

<210> 41805
<211> 378
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910025a03a1

<400> 41805

atgcaaaatg tataaatctt aacaccctat ttatttatag gagccattgt tttggggcac 60
gatttttttc gactggatta tacaataact tgatgatcat ttaatgacta tacttggtag 120
aacttgtttt aggtgaagaa tcagccttgg tatttggccg gagagccagg gcatgatact 180
tgttattatt tgggctaggg gaaaaatcat cgttttcggc aatggttgat tcggagggta 240
aagcataatc tttgggaaca cttgggcttg agataaacia aatattttcc gggacgcttg 300
acgctgggtc aaaaggcagg acacctacta atgatggggg tcggttcaaa atcttcattg 360
taggaaacgc ttgacctg 378

<210> 41806
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910025a04a1

<400> 41806

ctctaagcat gtatgtactg agaatgtaaa gaagtgtatg taatatatat caaagggcta 60
 caacatgcta taataaatac atcgtatgaa ttctatatgc tgtctgaatt ctgaaagggtg 120
 gtcattgtca gactcttctt ggctctgcag tggccaaggc caactaactc taatgaattg 180
 aaattatttt ttttttacct tttctcattt cttttttcca gatgtttgag aattgatgca 240
 ttaaaataat tcaaggaaac tggtaattta acttatgtgt cctatatata cttaaattac 300
 atccttctta aagaacttct tgtatttgac tgcaagttga ggcctagttg aagatctagg 360
 gctttacttt tatggctctg atttgaagca ggggaagtggc aaggcttgaa gatgaaagga 420
 ctattattac ttgcattgga gacagtaaac atgcaagtat ctttttggga attagaaggg 480
 tgag 484

<210> 41807
 <211> 527
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910025a05a1

<400> 41807

aataaaagag atgctgtttt taatataaga accagaattt gcactaaaat ccaacaaaca 60
 aaatttccac attgtctgca taattatgat gacaacctta acccgcaaaa caaaaaaacc 120
 aaagataagg atatttagtt ctgatgagca taaaaaacia aattctaata cgaaaaaata 180
 aatcatgaag tttactgtga aacacccaac cacttagaaa agttgtcgaa ttctgtataa 240
 tcagaatctg acaccatagt gtgataccat gctttcccag cagccttgat ggcagacgct 300
 tcctccttag agacagtctt cctcttcttg tcgagcttct ccttcttgac cttaacccgc 360
 tgtgcctcag cgagaagggc catcctctta gcagtcttgg cataaggatt cagcttcagc 420
 atcgagttga gattcttaag agggttcttc ttgagagtgg ccctcttcac atccttctta 480

atgggcctca caacagattg caccttatca gaattaataa tcctgga

527

<210> 41808
 <211> 551
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910025a06a1
 <400> 41808

aattaactca catcaaagca ttaacggtaa cccaaaaacc aaactcaaaa ccaaggcaac 60
 aacaccacca ccgtacctcc cgccgttacg tctaaccggc tcgttactat catcggcggt 120
 cacatcggca gcgtcatcgg gagaatcagc aggagcatca gaatcatccg ccggcgcatc 180
 agccgccttc ttcttcttct tccccttctt cgccggcgca ggagcgtcgg cggcagaagg 240
 ctccggcgcc ggcgcggag cctccgcctc acccttaaata aactccttag gctgaagcac 300
 cttattaata gcaaaaatcg caagcggctg ttcataatc aaagtgtcgg tgatcttggc 360
 agttgtaagc ttcgtcttca gagtaacatc ttcaccgtcg ttttgaacgg tgaagtcaaa 420
 cttgttggcg ccatcagtgg cgagagtgtt ctgaagtcog ttattggatt tgagagtagc 480
 tntggactgg gtaaaccgga cagcgtggaa ttcaagaagc gcggncttac cagattttgt 540
 aggttttttg a 551

<210> 41809
 <211> 354
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910025a07a1
 <400> 41809

aggcttaaaa tagattgttc agcttcctaa ttcttccaaa tactgataca aattaaaagc 60
 attcagaact ttttgataac gcaacaaaat tatgaagtaa agggtaaaac ccaaattcca 120
 aacataaaac gggtatgttg attcggttta taacatagaa acggcactag ttctaaatat 180
 cattcccaaa aaaacataca aatagaacat aaacccccaa ttaagtagtg agttccatga 240
 tggctccaac aatgtccccg ttgtgagtct tgagagcctt gacggccttg cttcttgaca 300
 ctctgcctg cgatcatcacc aaatcaatgt catggggctc cacaccagtt tcat 354

<210> 41810
 <211> 408
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910025a12a1

<400> 41810

gacgaagggc atttgtatct taacttttga ttagactagg atacagatcg taattttgat 60
 gctatatatt cattcacaat atgatacttg cctatcacia catgttgcca acaccatttt 120
 tttgctggcc ctaattaaat ctatcaacag ttctgcacag aaaatgtttc agaaccacaaa 180
 cctttccatt aaaaaaaatc gaaaaatcaa attaattctt atttttgtaa tgaacaaata 240
 atcagttcgc tctgcccatt tgaagaggcc tgggtggagc catgggttctt ttcttcacaa 300
 ggtaattttc ttttcgcggc tctaaattaa ccacaccccc acgagtgtga ccaactccgc 360
 caccaaccaa atgggggtgca gagaaaggga taataatctc ttcctttt 408

<210> 41811
 <211> 552
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910025b01a1

<400> 41811

aacaaaacnt tccttataaa ttaaagtcaa atttaagaca tccctcctca gcagcaaagg 60
 aaatggacta aaaccctatg gctgcttggt aatttgaaaa tctcagactt ttaccatcaa 120
 aacaaaaaac agtactcatc aaaaacaaac agcaacgaaa atgttaccgc cgatcaagaa 180
 cccagttttg aaggctacgg ctacatgaaa tcggcgggaca cttcaaaata taactggtaa 240
 aacaaacacc taagactctg caaagataaa ctactgtaaa ggaacaagtt tttttgaaac 300
 cacgttgatg atcacatgtg ctagcaaaat tgccaaaatg caatcacttc ttcttggcgg 360
 cagcctttgt gaccttggtt ccggtggggc ctttcttctc aacactcttg atgactccaa 420
 cagctacggt ctgacgcatg tccctcacag caaaacgacc aaggggagga tactcagaga 480
 aagtttcaac caccatgggc ttggttgga ccatcttaac cataccagca tcaccattct 540

002220.032200

tcaaaaattt gg

552

<210> 41812
<211> 377
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910025b02a1

<400> 41812

aatcaaaacc gtccacact tccattaagt tgtcttcacc ctgtcagaat tacaatattg 60
tcccagagag aaggggagat atatataatta ttcaacaagg ataagaacaa cacaaccatt 120
cctcttatta tgcaaacaag taaacaaggg gctaatttgc atttaaaaat ctgaatctaa 180
atttaacaga ggtggtatca tctccaagtc attgtaaaat tcttggacaa aaatgataac 240
aagaagaaag ttgcaaccgt ctcttttagat gtgaatgggc ttgtcataag tggccattgc 300
ggcttctttc acagcctcgc tcattgttgg atgtgcatgg cacacacgtg caatgtcctc 360
acttgatgca taatact 377

<210> 41813
<211> 312
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910025b03a1

<400> 41813

gggggaaaaa aacattttga attttattgg gtaaaaaaca aaaactcaac caccgagtaa 60
ctttccaagc cgacacacat tttgtttatt taaggattag gtaaaatagg ggaagggggg 120
gttttttcca tggggggggg gaagtctgta aaaggggggg gaagggggcca aatgatccta 180
tgatgcgggg gaacaaggta atcccatcac caacgggaag ctggcaaatt tcgacccttg 240
aattaagcgc aagagctttg gtgagctcca taacaaaacc gcgattattc ttaacataat 300
ccatgaaagg ag 312

<210> 41814
<211> 530
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910025b04a1

<400> 41814

aacaaagaat agccttttgaa taatactatt gatcatggat agtaaaatgt gttttgagga 60
 gttaaattccc ctgctaattct acaagtggaa caatcttata atgtatgcat aactcacact 120
 aacaaaaaat atatgagcaa gaaagaatga caaacctaac tatatagaaa cagccagagt 180
 ccaagcattg tggacactac ctcaatagtc ttcaaccaag caaaagggtgc gcattattct 240
 atattgggtg tgcatacaac acttgctttg aatgctatct tgcacatagc gcattgagaa 300
 gaacatgagc taacataagg tccacgaaat attgatgtcc aatttggcca tctctccact 360
 tcatctttgc tggagctctt ccatagtga cccatcatt acaccggtta tcaaaatgcc 420
 atggaaatgt catatcaaag ttatcaatca caccagaaac aactcctgat tgcttcaatt 480
 tctccaacaa cacaccattg aacacctnca tcttgtagg attgaatgct 530

<210> 41815
 <211> 579
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910025b05a1

<400> 41815

aaacaaaaca tctcttcatt aaaatctgag gatgattaga atacagtga tgttacaat 60
 tatacatctt ccacttcaag cttgcccatt tgcttcgatt tcttcttgcc cactttcaca 120
 agttttttgc attacatctc tgctgaatat cacacaaaaca aacaaataac ttatggagta 180
 ggaaggatgat cttccaccct ttctccaaa cagatgcttc tttcaacact ttaaagagaa 240
 caaaaagaca aaatgaacaa agtataataa gacatcttag gaatcatcgg ggtagtaat 300
 caaagggtgtg tgggtatcct cgttctgagc ttgagtttca gtttgatttg gaacttctg 360
 ctgttgctca actaacctgc tcatacgttc tagcaattgt ccagccttcc ttttgccctc 420
 gtctgtacca ttttgagcca attctaacag tggacccatc acccccagct cttgtgctg 480
 tgcaagatat tgttgatctc cagaacagag gtgaactaaa ancgagctg cattctctt 540
 tgttcttggt gagccattcc caataactct actaaaacc 579

<210> 41816
 <211> 486
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910025b06a1

<400> 41816

aaaaatgaga gcaagaaaca agcttacttc acaatattat acaacttatt agttaagcaa 60
 aaattactca tgctctcgta gaggtatttc cagatcatga cagagacaac gcaatccgga 120
 agcaagactt aatagaagta ctactaagta aaaaataaaa taaaagccct tcatagttaa 180
 catatccttt aacttttgtgt tttcttgaat ctaaagcaca ataaaaacat taaacaccca 240
 tagtggatac tcaaaagtat agtgaactct ttactttgcc aatgatccaa gctcatggct 300
 cgaagtcttc atgttcatct tcaaactcct gctggttctg gttcccggtg tagttgccac 360
 ctctgttggt gtaccagttg ttagtggtca cttcccttga tgagtcacca tagtttggtg 420
 gattgtactt ctcgggcgga acgtcatgaa agtattttcc accctccaaa aaccttgtgt 480
 cactca 486

<210> 41817
 <211> 515
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910025b10a1

<400> 41817

agagagaaac caatttatat ttgatttcga tttcttggaa cgctggtatg cgttgccatg 60
 ctttacaata tctcaacatt tctcacaccc ttagactaaa gaagaagaag aaaaaaaaaa 120
 ccaactttac tcattgcctc gtttctttct attcagagtc ggagtccatg ttgcccattg 180
 ctttcaaccc tcttggtctt tttttttctc ctacctttt ggatatcttc ttctccctta 240
 cttcatatcg ttccagagta agatcgaca gccatgtacc tggactaacg agattgaggg 300
 ttcgttgtat gaatttggt ctcttcttgg gtctctgggg aagctttgaa cccttcaaga 360
 gcagaaaatc ttcttccttc tccttgtttg tcaaggcaat cacgaacttt ggcggccaca 420
 ccggcggagc cgcgtcacca ctgccggagc gcgaccacc accgcccttc ttgctatcgt 480

002220"ETFE50

gcgcggtgtc tgatgagacc acagacttgt tatta

515

<210> 41818
<211> 598
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910025c01a1

<400> 41818

gctaaagaat tgatcacatg taccacagca gataacaata cacttcccat gatacaaatt 60
tgtccacttg tctatgattg ctatggctga tacaagtacc tattttttga ccacacattc 120
caaatttgta ggagcaatac atgacaataa gacaacaaat tggtttttcc acatcatcgc 180
acatatttct tgttgctttc tacaattgat ctcatatttg agaacttggc catcactcag 240
gtcacgtcct cttcaacagg aaacccaaga tgagtccaat gatgccaaaca agaactacgt 300
aatgaatgg tacaccgccg cggcttctgc cggcatcacg cctcaaaagc tccagttctt 360
gctgaagtct tctgttttgc tcaacaatag aattcctctc ctcagttacc ttggaaataa 420
gagctcttgc ctcaaaggaa gcatcctgat gttcaccccg ctcattgaaa gcttttgaag 480
ccctgtgaa ttccgcagca cttgaatgcc cattctcaga tacagatgca cgaggggatg 540
aatcttcac cagatccttct cgaactgggg atgggtggtga ggaggagcac ataaacac 598

<210> 41819
<211> 153
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910025c03a1

<400> 41819

aacaataaca aaactcaa t tatatagaaa aagatatgat taaagcggtc aaaactcgaa 60
tttcgaagtc aaaacgcaa atacctatga tctaaaaata gtattccaga aatgaagca 120
tatataagat gattacagcc gaattttggg gcc 153

<210> 41820
<211> 360
<212> DNA
<213> Glycine max

002260# FTFES60

<223> Clone ID: jC-gmro02910025c04a1

<400> 41820

gcaaaaaaaaa acaggccccg ggggggaccc ctaaggaaac cccccccccc ccctaaaaaa 60
aaagcccccc aaaaaaaaaa ccatttcccc ctttaggaac cggggggatg gggccccccc 120
ccaaaagaaa aaagggccccc cccccccctt ttcaacctaa aacaaaaatt ttttcccccc 180
ccaaaaaaaa aggctttaag ccccaaattt taggcccccc cccccccaaa aaaatttccc 240
ccccctgtgg gggaaaaaag gccccccaaa aactttttaa aatttttttt cccccccctt 300
ttattggggg gggggccccc ctttttttta aaaaaacttc cccccgaaaa accccccggg 360

<210> 41821

<211> 546

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910025c06a1

<400> 41821

ctgcaaacc aactgggcta agaggagac attattgcaa ctatatatta tagattacac 60
tgcaagacaa attaaaatac aaaataatcc gaggaccttt acttatgaca gagtgtctggg 120
acatttgga cattattaca actatatatt attttttggg ttgtgaaggg gagaatgagc 180
ctttattgat gatagtgtg gtecttctcc tatataccac atttcataag aagttgttat 240
gggtaaactt caatgagaga ccttaaacc aacactggag ttatcttgta gtcactgaaa 300
ccagtagaga aaatcagttt ggccattct ttctcagttc tctcttttcc aggatacagc 360
accatcacia ccatatcaat gaagagctgt gtttcaattg attcatcatc tcccttttca 420
ttctccacca ccatgtctat gataatcacc tngctcttta ttgcctctnt gcatttcttc 480
agtattttca cacactgctc atcattccag tcatgcaata ttcacttcaa gagaatggca 540
tcagca 546

<210> 41822

<211> 418

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910025c07a1

<400> 41822

gggaacaaaa ccccccttta attttttttaa aggaatttaa agcaccaaaa cgtccaaaag 60
 ctttttattt tgttttgggg ccaaccccc ttgctttttt tttacaacaa caacctactt 120
 ttacgatttc cacccggggg ggggggaaac acccttcttt ccccgttttt ttggtccaat 180
 agaagggggg ttgaggggaa atcctttttt gtttttgcca aagcttgctt tttgggaaac 240
 attgcggaag caaaagtcaa ctaattgggg gaaccccccc aaaatttagc cccgccttag 300
 ggttttaagg ggtatttttt aaaaaaaaaat taaaatgggt tttcgataat caatacaaaa 360
 agggccggga ataaatttta attttaattt tgggggaaaa aaaattaatt tttttaaa 418

<210> 41823

<211> 473

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910025c09a1

<400> 41823

caaatcatg cagtgtgaca ataatgcat tacaagaaca tagataacaa attctatggt 60
 gactcacatc caacaacggt aatcaattta gtttaacaca caacgggttg aagaaaccaa 120
 aagataaata acaaagtcgt gccttcttcc cctcagtttc ccccttgctt gttggtgaca 180
 gcatggcatc atgcattgca attacagaaa agcatctttc tcaagtagct tcaggacttc 240
 attttgattg tttagcttcg caacatctat tggagtttta ccatccatat tctggagagt 300
 aactgcagca ccattttcaa ggagaagggc cacacattcc tttctgccat aaccagctgc 360
 ataatggaga gcagtgttct tattcttctc caaagcatcc acttttgctc cagcctcaag 420
 gagaacttga gcacatttca cctcaccata tccacaggca aaatgcanag cag 473

<210> 41824

<211> 439

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910025c10a1

<400> 41824

002260-ET-13-032200

aaaagctatg gagaatcaaa tagttgattc cccaagtatc tgcttttctt tttatcacgc 60
ccagtcacat attctgaaca cgttgaaaag caccataaa gacacgtgac ctaactaatc 120
taagggcatt ccagtcctt cccttggtgca ctcaagtcac cgacctctag gacgacatac 180
aattaattgc cagaggaatg gaattactcc attaaatcct agaaggcacc aatgctggac 240
accgagagat tgtcatcgcg tcccacaggt ctgacgcact ttgggtgcac tttataacca 300
catcggaac actgggaggc ccagctagac cctggatcct catcacacgc agcagataaa 360
gggccctcca ccatttccat cagacaccga atacagatca tgtcgatacc cttggcgata 420
caccagtgt ggaagaccc 439

<210> 41825
<211> 463
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910025d01a1

<400> 41825

ccaaacagtt gcaggattga atagatctta aaaccaatgt aaaacaccgc ctgttacaag 60
ctttcatatt tatggcagaa atgggggatca aaatagaacc caaacagatg agcatagact 120
atcagagaaa caaaatttga gaacttataa aaaaaaaaaa aaactttaac aatcttttca 180
gggggtttta tccgttttag cagcagtagc agcagcttgc cccctaaaac aaccagtcct 240
cctagcagca atgagaccaa ccttttggcc aggaggagca taaccctga cggtactggc 300
atgaccaata tgctggggat tacctcctcc atgaggatgc tcaactgggt taatggccac 360
accacgcacc ttaggccagc aattcctttt aactctgaat ttgtgataag cattaccagc 420
tttcagaaga ggcttttaag tcctccttcc acctgcaacc tgc 463

<210> 41826
<211> 426
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910025d02a1

<400> 41826

gccaaactcc aaacacatcc ttttcatttt gatcaagcaa caatttttta ttgtagttct 60

atgtacacat ttgtatgaga cctaactatg tagcctaacc tagcatatgt ttagtagggt 120
 cagtttcgag attcagatgtt ggcatacaaca ccacgcttcg tgtacagagg cccaaccgcc 180
 ggcacttcag catgcgaaga taccattgct gaaagaggct ggaagttagt atttccaaca 240
 aaccaataga gagccccattt caaattgcaa agagtgtact tgagagattt agtccaattt 300
 tcttgcttat tgaagctttg ggtgatggaa tagttttcca ccttgctcatt ctcaatcttg 360
 taaggcagtt tgaacacattt ctcagggtgg atgttattct cttgatcctt ggatttggca 420
 aagtct 426

<210> 41827
 <211> 507
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910025d03a1
 <400> 41827

acatcaatat atataggcat tgaatgccta gtttcacata gatggcaagt tgatactaac 60
 aaaaaatgag atgaaaggga ttacaaaagg attttttttt tcttccatt atcctcattt 120
 gatataatgt cagtatatta acaggaccaa aaagctaata aagggacgaa aaagaaaaag 180
 gaaaattcat tcaaaacata acaaaggaag tttgagttag tacagtgtca gctgctaggt 240
 atagctacga ttctcatgaa attatgactg tcagtccaac tcattcaaact actgcatcag 300
 ctaaagggac tagtccgtcc tttgcttctt tgcattgctaa agcaccatca ccactattgt 360
 ctttcttccc ctttcatcat tatatgcaca gattctcatc ccagctcgtg catgagctca 420
 ttccattcca aatattggcg tttgaaagag acttggttnt gcatgggatt ggaatgtgtg 480
 cagggtaggt ccaatccagt ttccata 507

<210> 41828
 <211> 561
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910025d07a1
 <400> 41828

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 aaaacttggtg taccocatct cttgaagggtt tcagacttca gttcttcaaa attggagtcc 180
 atcatgcatt tcaactcaaa agatgacacc gtaagagttc tgtaataagg aaatgtcatt 240
 ttctgcatga actacaataa tagaatataa ccagttgagg ttcttcagac tcaactctaa 300
 atcattttta gttgacattt gccccatgg cctcatattt tatcatttct cactcccacc 360
 aaaccatcgc caaccagaac tcttgccttc agctgttgca gcaagctcca tctcctggtc 420
 cagagcagat ttcttttcac gaagagcctg tacctcctct tccacagact gcattgattc 480
 cagcaacttc tggagttctg caattttggc ctcaagttaa agcatcttga tctctcagcc 540
 acaagttgtc cctggactga c 561

<210> 41829
 <211> 486
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910025d10a1
 <400> 41829

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 ataaaatgat gacaaaaccc ccccatatag gggaaatcat gaatattcat gacgcctaaa 120
 caacatgcag tttaatatca tatgatctac aattgatcat tctataatca gatgcaaggg 180
 aaagacaaca ggtgtaattt ataagtatca agaattctcc ttcttccggtt ttgaagcact 240
 tccatcactc tcatttttcc gcttggtctc ttggcgctcc ctcttcactc cttttgcttt 300
 gtaaggtaaa ggagtttctc caaccttctg atctgggata taaatacttc caatctttcc 360
 ctgtaattcg tcccttttaa cattcttctc ctttttcttt ggcttctccc tcgatgtttt 420
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 ggacgg 486

<210> 41830
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910025d11a1

0953113.032200

<400> 41830
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gccttggtatg agttagtacg attcagagag aaaaacgaaa gcagaatcct ggtgccaatc 120
atacaccaaa atgggttatat cctacaacta caaaagagaa aaggaaaaca ttaatgacct 180
ttgccattca aataataggg gttccacca aaataagtat atatgtcact gaactacatg 240
tcctaacaag ctatttggtg aagggtgagct agttccactt aaccaactat catgcacaga 300
cacaggagag ctgtccttca cctcctcaat tgattgcaaa aaaacatcag tcttgtgggg 360
aacaatcaat gtctcactcc caagtctgc agctctctca aaactaacac c 411

<210> 41831
<211> 440
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910025d12a1

<400> 41831

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gaaattaata tactcaaggt ggggttatgat cttatgcaca aatgggatta ttacctgaac 120
ttacattcat ggcattctaaa acttaaataag gtgtcggcac gtcggattat gatattatgt 180
gcatatatga catagaagta gccatattac aagcttaatt tctacagaca tatataaaca 240
ctcctctcat cccaaacagc tgagaatctg attggtgatc ttagcctttt cacttagggg 300
tgaaagcacc aaaaatgggt tcatggccag gatctgcaag gtgggcaaag aggttgtcaa 360
taggaccggt ggcagtgtac atgtgctgga accatgcacc catgaacaga agcatggccc 420
gtctgccatt tttgatctcc 440

<210> 41832
<211> 552
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910025e01a1

<400> 41832

0953443.032200

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aagtaattaa tcccccaagt aaatggtggt atcacaaatt actattcatc catattccac 180
catttcagtt tcatgttttt cctgtgaagc tctggtcata tatgaatctc atcattgttg 240
cataaaatga agaatagaga tatataatgt gttttttctc gttcaaaaca ggtgttcatt 300
cacatgaagc tctgggttact tgattcccct gcaccactac tcttgcgttt gcttttgagg 360
ccactagaag acgaaggatt agtatgccaa ttcctttttc tttgatttat gaaccagnta 420
tttatctgct ttaattgcaa gcctgtttcc tgcaccaacc ttgccttgct ctcttctggt 480
ggatatggcc atttagaatg tgactgccac caagctttta aaagggaagt tgtgtcgccg 540
ggtagcttcc cg 552

<210> 41833
<211> 56
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910025e02d1

<400> 41833

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 56

<210> 41834
<211> 446
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910025e04a1

<400> 41834

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atattttatt agagcacaag ccaacctggc ccaaccaaca ctattataat attattatta 180
ttattattat tattataata taaagtaaaa gagttgacct taagcaacac cgtgctcggg 240
ggcgcgttga gcgcgtgtac caagccactc caacatgtcc ccaaactacta gctccacggt 300
cttttcgggt tccccaaaca tttgatgcc catcccgga tatattttca gcgtcttctc 360

cttactcgcg gggcgtgcgt gcaactcctc cacgcacgcg gggtcgcaca ccacgttgtc 420
gccggcgtgc gccaccagca ggggga 446

<210> 41835
<211> 352
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910025e05a1

<400> 41835

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cgacgcataa tggtagtagt agattcaaac gggggagggg cttaacgaaa aacgacaatt 120
tttacatgca acccacgggt tttttagctt atcctttcag cggggcctgc ttttggcttc 180
cccactgtac agccagtcgt aaacagtggg agtggttgga agtggtttgt caaacatttg 240
agcaccgatg gtctttgggg gggagttgct cccaggatgg aagacgctcc tccaaacgtt 300
ggcagcttta cgcgcggatc ccggtgtcgt tggagtcgtg ggagtcacgc gg 352

<210> 41836
<211> 369
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910025e06a1

<400> 41836

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cagcactcac ctgaaatatt caacacctac cttagcagca agcaattggg agattatcca 120
cttgccctta aaaaaacatt cacatgatta aattaatccc tggtttcaat tcaaaaccca 180
ccagctagaa aaaaaaggg gcggaagagg tattgctcaa agggagtga caacctacct 240
ttttgcttcc agtttaagaa accagccaac tgaaataatt aaaccctcag cccacaattc 300
atagtacata aaacgttcaa tgtccaagct ctcagtatgg acgagaacga tttccataat 360
gatcacgcc 369

<210> 41837
<211> 410
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910025e10a1

<400> 41837

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gctgtctaaa tgccatacat acagagagag gcaatgtgtc cgcgcttgtg cctcccaaaa  120
gttttaattt attattatta ttaaattggg ccataggatc cttgagaagt atgtcttatt  180
ctgagaatac ataagcttaa gggttctccc aatcatgaga tatatacatt atgatatgat  240
acaagattaa gctggtacag attactgcac ttttccgttg cttgagagca ctaagctatg  300
ataggaataa agcaggacct tccatgcacc aggggacata aatccatgag gaggactttg  360
tttgttcctt ggcagtgtgc gcatctttgt gcctgatatg aacaggaagt             410

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<210> 41838

<211> 361

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910025e11a1

<400> 41838

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ttatatctcc tgagccaatt ccactacttt ttccaccaca gacgccatag aagatctttt  120
tttatttgca acaaagcact tatcacgaat ctcccctttc ccaatacgat ccgttatcac  180
atctagctgg ctcaccttca caaaagcatc ggaaaatttc ttaaaaaaca gtttctggtc  240
tgaagcgaac tggttcacga tttccttggt tttggggctg cccgcgatgt cctggtcaga  300
agtgaacact ccttggcggt tcaggagggt gatgtaatac atgttgtcca acttcacggg  360
g                                                                    361

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<210> 41839

<211> 490

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910025f02a1

<400> 41839

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 ctaaaaacat taaagcagca cctaaataac agctgcaacc aacgagttca acatacactg 180
 gacataacaa cagagaattc aactaatatt ggacataaca gacagactca gaaaccacca 240
 cgaaggcgga ggacaagatg caggggtggat tccttctgaa tattgtaatc cgccaaggta 300
 cgaccatctt ccaattgctt cccagcaaaa ataagcctct gctgatctgg tggaataccc 360
 tccttgtcct gaatctttgc tttcacatta tcaatggtat cagagctttc cacctccaag 420
 gttacggtct tccctgtcag agtcttcaca aatatttgca taccaccacg aagcctcaac 480
 accaaatgca 490

<210> 41840
 <211> 539
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910025f03a1
 <400> 41840

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 tgaaaccata gtctaactga tttcatgatg ttatttatct atttgacttc ataattttat 120
 tcataaacia acaaacttat tttatatacc agaaaaaaaaa attaattttt tctctgaagt 180
 ggactttatt gaccacttgg cattttcact atgttaagcc ccagatccag caagtcgcct 240
 ctttgaggcg tttgatacag ccaattgacc aagtttgtca gtgttacttg atgtagtcct 300
 ttgattgatt ggtgcataat gcctcaacca ctccccaaca taaacctgtt gagggctcat 360
 aatctttgta tcaggatcat ccaatgactc tcgccaatgt gccaaagtacc cagccattcg 420
 agggatggca aataaaacag tgaataactc aggttgaaag cccatggccc tgtaaatcag 480
 tccagagtag aagtcaacat ttggatatag ctctctcttg atgaaatact catcagaca 539

<210> 41841
 <211> 172
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910025f06a1

<400> 41841

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catgcattaa caaaattgca aggcaaagct actaacatgc agaaaccgat tggccaatac 120
aatttatcaa atcatagggtt ttatagaaag ttaaataaat agaatatctt aa 172

<210> 41842

<211> 541

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910025f08a1

<400> 41842

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ttcggaatcc aactcactta aactcattga gtcttgataa gtttccgaat ccaaccact 120
taaacttttt tatagcaaaa ataaaaactg acatgactaa cttataaaa caatacaggt 180
tcttattctt tccactgtat atgccattat tgtaatccag accttgcaat ccaactagtt 240
gacccttctg caattgcac tcgatttctcc ctgcctccca gtgagaggct tcatgttccc 300
catcttgatc attgaagctt taaaatctct agcaaaagcc aaagggattc tactatatag 360
ttgcaccaat ttgtcacttt ctgtgccttt tcccttgaac agctcttgat cagaatggag 420
aagacccttt ttgtgcagca aatccgtgta gtatgtggtg tcaactcttg tgggtgtagc 480
atcaagtgga tgcaagttgt tgtctccttc gcttttcgga catgttttcc tcacagatgc 540
t 541

<210> 41843

<211> 330

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910025f10a1

<400> 41843

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gggttcaatg ttaccgggta ggaagctaaa attcaaccca cttttcaa at agcaagggaa 120
aagccctaca ccacaaaaat aattatgggc atggcctatc tatgtgctga acctgagaat 180

gtcaacctaa gttgggaaca acgaaaataa aagcatttgc ttacaacatt ttttaagggt 240
 ccacaatatt tttctcccaa atagatggtt tcctaaaggg gcgggggggt tactatactt 300
 gtttggccaa aacaaggtta gtggcaaaaa 330

<210> 41844
 <211> 393
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910025f10d1

<400> 41844

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 aattggaatt atttgttttc ttattaggcc tatcctgaag ccaaaggaaa tgagatcgga 120
 attcctcggg gaattccaat tccacatttt caagaaataa ggaggcaaaa atgttcatat 180
 atgaattgga attatttggt ttcttattag gcctatcctg aagccaaagg aaatgagatc 240
 ggaattcctc ggggaattcc aattccacat tttcaagaaa taaggaggca aaaatgttca 300
 tatatgaatt ggaattatgt gttttcttat taggcctatc ctgaagccaa aggaaatgag 360
 atcggaattc ctcgggggta ccgagctcga att 393

<210> 41845
 <211> 491
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910025f11a1

<400> 41845

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 tgttcatgat gaattttttt accgtgtcag aaacttgat atctccttgg ttcagtatat 180
 cacacacaaa gcaggcccg ctgcggttca gtgaaatcaa ggccttcttc gagaagataa 240
 cgctgtacag ctattgggag tctcgcagga gtgcggggag cccgagtatg gtgaccagtg 300
 ccaacacaga tgtaaacctg caaacgctgc tcgggggctc tggctgtgct tcgtagcaca 360
 ctcagttcgt gtttcagcac gtgaatcgct tcacttacgt gcagaccatg taggtctatc 420

[illegible]

<400> 41848

<210>	41849
<211>	572
<212>	DNA
<213>	Glycine max

<400> 41849

16698

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 tccaaatgac ttgcaccaaa tgtctcaatc tt 572

<210> 41850
 <211> 516
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910025g08a1
 <400> 41850

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 aaataatggt tgcgcatatc catgaaatat gaatacatgt tgctcttctg aattgaaaat 120
 gcaatatttg caaacaactt gaacttggtg gggttcattta aatcttcaaa ttgcttcaaa 180
 accctggtag tatactagta ttccgtctct agcaagcaga aagcaaggag gcagtgacat 240
 gcatttctgt tgaactaaag gggatgatcat cttctgttct gatgattcca agcttgagat 300
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 tgttggtgcc aagatcatca tcctgatatc ccttggttcc cacactaccc aatgacttga 480
 aggggtccacc ttgatggctt ggaaatttac agctac 516

<210> 41851
 <211> 487
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910025g09a1
 <400> 41851

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 aataagtttc ttcttgattg tcttcagact actatgttgt tgaagcattt ctctgatac 120
 attaagtggc aaagtgtcag aatcaacaag acccagcaaa aagtttaggt acttgggcaa 180
 cagttcatta aattcatctg aatgaacac acgtctaaca tacaacttca ggttcgattt 240
 gtttgcgta taatagctct catataaatc ttgaggtgcc ttaggtggta caaacaggac 300
 tgccttgaac tcaacatcac cctcagcagt gaaatgactc catgctaaag gtttctcatc 360

actgaaatcc ttggcaagag agtggtagaa tttggtgtat tcttcttctg taacctcttt 420
 tggattcctc agccatatag ctttcacatc atttaaaagt tcccactcat aagttgtttc 480
 cttcact 487

<210> 41852
 <211> 433
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910025g10a1

<400> 41852

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 catggatgca aaaagagagc taccattgt ggcgccaaag ctttgcaaaa gatattggga 180
 tcgttgctgc aattgctttc gccactaaca catcatggga ggttttcata cgccattaac 240
 acttttaggc agctaagctt ttogaagcta tctcaaacac attctccgat agtccattag 300
 tggacatgat cctctccaac tgcgcccttg caagcttttg tctgtcttca tcataacgcc 360
 ttcatcttga gaaggctgac accattctcg aggctacctg aggatttagc ttgtcaagtt 420
 gcagcacaat ctc 433

<210> 41853
 <211> 507
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910025g12a1

<400> 41853

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 atacatcaca ggtagaatct actttgaaat cagatacatg tagaaaagga acaaaaatct 180
 aactcgagat caagaacctg ccgccagaa aaaggaccga ggtaaatggt tagttctttc 240
 aactgaaatt tgctccaatc gagaatgctt caccacaaaa tcagcggcaa tgtgagcagc 300
 tacgaatata aattcagcaa gaggcctcaa agatgaaaat cttcgaagtc aattaagaaa 360

aatctccaca ttaaattgatc actaagggcg gacaagttta gttcatgtct ttgatctctt 420
 ctgcttttga ggaacaaaac ggacccccctg tttcctgagt tccacgggtct tcaactttccc 480
 atcgtctaata gcaacatata actttttg 507

<210> 41854
 <211> 391
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910025h04a1

<400> 41854

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 cgacaaccta ataataagata cattatacat gcattaaact agttgaagaa gcaggggctt 180
 caatttcata cttaattccc acccaaatta aagcacttaa tcttccatga ttgccaaatt 240
 aattaagtag cccatggggg ccttaaaaaa ccttgggata gaaatttttc ttttcttatt 300
 ttttgaagaa gaagaaaaaa aaaaaaaagg gctaaaagct tttacagcct atcttattct 360
 ccaagagcaa ctgggttacag ttagccgggg g 391

<210> 41855
 <211> 436
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910025h06a1

<400> 41855

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 ccaaacaagt tttttggtgg cattttcata gttgatacac caaattgtcc atgttttgtt 120
 gccagcttt taatgaacta caaactactt taaattacaa aacacagggg aaactgggaa 180
 gaaaaacaac cccaaaaata ggggttaaaa aaacacattg tttgaaacac acaaaaaaaaa 240
 aattgttcaa tttgaacaca agttaaatct ccctttttta actttgctgg acagccaata 300
 aaatgtttgc aagctttatg tttgaaactt tgctaacata catattggta agggagggaa 360
 gaaacaaaga gaactattaa ctgcttatgc catgcaacat aaattgaaat cgccaaaatt 420

ttaatttaag gatcat

436

<210> 41856
<211> 390
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910025h07a1

<400> 41856

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aaatccagaa gtggctagtt ttttggttca ccaaaagcct catacaaaat ctttaacaaat 120
gaaagcaggt ggctgctcgc cacaatgata aggcaaatgt aacaaaaaaaa aaaaaaaaca 180
gtaatataag atatgtgaaa aacaggtaac ccacctgat aaatgctttt gattgaagtt 240
tgcatccaat gtagatatga agaggtataa cgagacctct tttgcaccat ctaaaaaatt 300
tgccaaaaac agcagaagaa ttccctgtaa tgggggtgatc atttcacagt caagatcttg 360
atgacagaag cagtgtccac acgatgaagt 390

<210> 41857
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910025h10a1

<400> 41857

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ataagaaaac aaataattcc aattcatata tgaacatttt tgccctcctta tttcttgaaa 120
atgtggaatt ggaattcccc gaggaattcc gatctcattt cctttggctt caggataggc 180
ctaataagaa aacaaataat tccaattcat atatgaacat ttttgccctc ttatttcttg 240
aaaatgcgga attggaatgt ccccgaggaa ttgcgatctc gttaactttg gcttcaggat 300
aggcctaata agaaaacaga tgattgcact tcatatatga acatccttgc cttcttattt 360
ttggaagatg tggaatcgga attccccgca g 391

<210> 41858
<211> 506

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910026a03a1

<400> 41858

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atgtgatgaa tagaaagcac tctgtacaca tttgacgggtg aacccttttt ggtgaacgcc 180
tggaagca aaaagccata acgggcaggt agtttgggaa actgagattg tgtcttgagg 240
cataataaat aaataaagtt gttgttggtg ctgctgctgc taacagtaac aagaataagc 300
aaagtgggtt ttgttgaggaga cataaggaga gaggaattg gaggcagaag cagatgtagc 360
tggaaccagt atgcgtgttt ttccagaacc tattctcttt ccaactacat tcgcatagaa 420
cagacctgaa attgctggta cgaacacatc actctctgca cttacgtaaa agtcaatcac 480
tttctcaaat tcagaatcta gaaact 506

<210> 41859
<211> 411
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910026a05a1

<400> 41859

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catttttaat ggaatgccaa atcctaaacc tggttttaaa aacgttaaat ccctttggca 120
acaaacagct tttaaacttt aattattaaa ccatgggggtt tccctaccct aaataaaaca 180
acaaaaccgc cacaccattg gcgaaaacaa tacataaatg gttttgaaaa tgcaaaattt 240
gatttggttt ttaaaggaat atccagtaac ctacaaaca tgtttgaggaa aacatgttca 300
attactgggg ggcaaatttg attcccttct caattgatga tttgagttca ggcttaaggg 360
tttcgaggcc ttgttgctca aaatttgaga ggggcccaa gccagaaat t 411

<210> 41860
<211> 588
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910026a06a1

<400> 41860

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aaaccttggc ctgctcctga agcgctgcag tatattgatg ctagagcaaa tggaacactg 180
aaagtaatcg caagaggaac tccgagaacc ccaaagaaaa ccatggaccc aaccaccacc 240
ccttcggagg ggtgaccacac ggcgggcgga ttcattctgc gctggtgctc cgccaccttg 300
gtgatcacca ccgtcattcc gaacccaatt gccagaataa agttcacaat cgcccacagc 360
ctcttcactc cccaaccat cttccccaac ggctccaccg ccagcgacat gaagcccaaa 420
acgacggcgt ttaccatcag ccctagcgac ccaacgcgca ctccattggc gtacgcgtnc 480
tccccactt gaccaccgta cacctcgcgc cccatccaat cgggtgctgaa caaaagtaag 540
ggaaccaccc caccagttc acagctgtca ccagcatcag catccaca 588
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<210> 41861
 <211> 349
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910026a09a1

<400> 41861

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aaaacaaaaa aaaaactcat tgggtattatt tttcaattag ttactcgtcg ttaccgctta 180
ggtgattgac cttgttaccg cgcggcgcgt tgggggcatc gacgacggtg gcggcggaca 240
ttttcatttg gcaaacccta accgcttcga tgagcctttc cggcagcttc ttctcgtctc 300
gcgcctccac aacaaacccc atatcgatgg tgacgctggt aacataccc 349
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<210> 41862
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910026b02a1

<400> 41862

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 gcaaaccaat aaatccaaga gctaattgct tataatgtaa acccgaaaaa agaaaaaaga 180
 aaacgcaaag aagccacacc ctagctaacc ctatttctaa agggtaatat tcagatttag 240
 aaaaaagaaa acaaaagaac cacagaacac aaaagcaagg ccagaccccc gtactattgt 300
 atcaacgagc actggaaggg cagtccctgg caaaatgccc ggactcccca cagttgtagc 360
 agctttcggc ggcaccccca ccaccgncgt acctccacc gccacccccca ccttggctgc 420
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<210> 41863

<211> 570

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026b03a1

<400> 41863

agaggggaaa aaaaaggaat atccaaattc aggtttttac tataaaatcc aacataaaca 60
 agaggattga ttgacaggtc acctgatcac gaacagttca aactaaactc taatatagtt 120
 ctagttgcat gtatgtctca agtccaaata aagatggcaa aaggaaatga aaaagatagt 180
 ttgcctaaga gataacaata tcacaacttc attttgattt atccagcaaa aagttgacat 240
 taattgactc caaggagaaa gatctccacc tcacagaat acagcctcag acttccttct 300
 tgattgagcc tttcaattca ccaccggaag gtatcttgaa ctgaagattt gttattgtag 360
 ttctcaacag accatctcca actattaacc tcagcatctt cacaaaatca tcccgcgata 420
 tatgctttga cctgaattgt tcataatata ttttgattac atccatacc ttgggaggaa 480
 cctgatttct gatagcatca agaagcaaag gaaaaggcat ccaaggggat tttggaactt 540
 ttgggtgcta gcaaccatac taggagcttt 570

<210> 41864

<211> 537

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910026b04a1

<400> 41864

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 aactagtaac aactcagaaa taaacaacca acggcagaat atgatgttct ctgggcagtt 180
 aagctcatca taactagtca tctggctacc agatgttggc ttattggggt cttccttctg 240
 aaatcttaac aattagaaat ccttgggtcac aaccaaagtc aagctgagat gatcctttct 300
 tgtatccaat actccatact ctcttgagac caaagttcaa cgtgggttga agcctgtaag 360
 tgacagcatc ccatatttta acagtagaat cctctgaagc tggttattatt ataggaagct 420
 caggatgagc acatattgct gtaacattgt tttcatgtcc ttcaagcgtc tgtacacagt 480
 ttctagaatg ataatcccat accttggcag tgtaatcatc agaaccactt aaaagat 537

<210> 41865
 <211> 542
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910026b05a1

<400> 41865

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 ccatttacat tgtatcacta tcgtctaaat aaatgactcc atgaagcaca tttgcagcag 180
 cacaaaatgc acagccgctg cctttttatta atccatagat gccatcatac acagcactgc 240
 attactaacc atgacgttca aacttcagtg gctgaccaac ttaagagagt ttgccttctc 300
 ttgcagagaa tccaggaggc tgtcaaagct cttcttaaac gagtccactc cttcaagttc 360
 aagctgggaa ccaacaaagc tccagtcaat acccaatttc tggagagcat tgtatattcc 420
 ttcagcttca gatgcatttg agtctattgt cctggatagc gtaccatgat caataaatgc 480
 ttgaagggct tggctctggca tggttgatac agtgtccggt tcaataagag gagcaacata 540
 ta 542

<210> 41866
 <211> 416
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910026b06a1

<400> 41866

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 aattacaagc aaaagtgaat aactaaaatc aaatatacct taacagaacc aactgaaaat 120
 acacctacaa ttcataatat cgtcaatcaa tttaaatgaa actgagtcac catataacat 180
 atggcccaat gataattatc atcaagtcac aaaaagggga aacaggggcta cattcacgca 240
 ttaattttac ataaaaacat ggatacacia gattgctgcg tgtcacattt gaaatctata 300
 tacagcaaag cagccaagcc tgggtagact gtaatttata ccaaacaatc gtttgcagtc 360
 gcctgaggaa aaaagcaaca caaggaggtc tgagaagatg agctttgaaa tttatc 416

<210> 41867
 <211> 359
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910026b07a1

<400> 41867

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 tcttattgga cacagctttt ttattttcca aatgcgataa ttttttgggg gggcgaaaac 180
 attctgaaga cattttaaag gaagtttttg atgtccaaag ttttgacatc gaccgattca 240
 ggctcatcct tgaattcctc cctttttttt tgaggttcca ttgcctcgag agcatccttt 300
 ttcagctcct ccagggtgtgc tttggctact ttaagttcta gctccttttt atactttgg 359

<210> 41868
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910026b08a1

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 agtccgaatg ctggaacagt ggaggcgggtg acgaatgcc aaggaggga ggcgacgatg 420
 gagccgagga gctgggcgat gacgtatacc atgccgcgga ggaagggtga 469

<210> 41871
 <211> 405
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910026b11a1

<400> 41871
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 cacttatatt gataacaaaa aagagccgtg cattataaag atatcctctc cttcctcatc 180
 atcttaccgt ccttcacgtg caacctacta atagatactt ctaaggagca gcgagatcct 240
 tagaagcctc acagaactcc agattattgc atgcgggtca ccaacatacc aatagacaag 300
 agccctcttg gcgaacatca cagcaaactt ggggctgctg cgacagaacc cctccttacc 360
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<210> 41872
 <211> 530
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910026c01a1

<400> 41872
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 taccaccttg gcaaacatga tcaaattggtc tccgaatctt gtttctgcac ctccccctta 180
 caaagggtgca tatacacatt atcacgtagt tcacgggatg aaaaatatgg agccaagggt 240
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 ttacttacia ttcaaagtgc tcttaagttc atgaagggaag ataattctta tgactagttg 360

tagtgaacac agtcaacgga aatagtcttg aatataaaac aaacaagtat atagcatagg 420
 caaatctaca agagagatct ttgataaaca aacaagcata gcataaatcc acatggcaga 480
 tctttgattc agattttttg agattaacaa aatcattcaa atgcccattg 530

<210> 41873
 <211> 579
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910026c02a1

<400> 41873

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 gtaaaaggac cctaaaaaaa taaaatatga catcataggg ttttaactga tgatgaatct 180
 aaatttaaca tcgacgttcc tgaaacccca ctacaacata tttgtcagaa tctagtgtccc 240
 acttcaatct ttctttttat ctttcagagg tctctgggt atcttgctca ataccttcgc 300
 atcaaact gcatattgct tcttaatctc ggcaattgct ttctcaccaa aagagtcgac 360
 atgatcttca tatttctcat aaagcacagg cacagtgtga agcaaaacaa aagctatgta 420
 gaacaaggtc aagaagttgg cccaacaacc cagaatagag aaaaccata atccagcaat 480
 cactgataag aacttcttga gatccctccc agaagcaata tcccttaaca ccgcaaaagc 540
 ccgattgatc tcaattctaa gagcagaggc aaattttaa 579

<210> 41874
 <211> 517
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910026c03a1

<400> 41874

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 aacattcgct agaaaagata agcatctttc tccaagaacc gccagactcg catgaaatca 180
 ccagacaaga ccaaaatttt tcaaagtgtc catgctttgc tggcaatgtt gttagaaagc 240

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 ttcaacattc tgtgcagctc atcccttgcc tcaaccactc gatctctatc attgctatca 480
 accacaaaaa tgagaccctg agtgttctgg aaataat 517

<210> 41875
 <211> 456
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910026c04a1

<400> 41875

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 aaaccgttta ttcccccaac gggggggggg gtcccccccg ggggggataa tccccccccc 180
 gggaacaaaa agggggaggg gcaaaggggg cccccctgcc cccaacaaag gggggggggg 240
 gggcgaaaat tttcccccaa aggggggacc cgggggccta aaggtttaaa aaaaaaaaaa 300
 ctttggggcc aacccccccc caattttaaa acccccctta aagggggcg gggacccccg 360
 gggggtcccc ccaaaagggg gttttccggg gccccctcc ccccgggggg accaagggga 420
 cccgcccccg ggtttttttt cccccccagg gggggg 456

<210> 41876
 <211> 533
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910026c05a1

<400> 41876

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 gtaagccatt tactatataa ttttacaata aattcaagaa aaacatcaat ttataagaaa 120
 tatgggacgc ctgtcctggg gcctctcatc tggttgttct cctctgtttc agtgaaaaat 180
 ttaacttctc tttccatatt ttcatgaaa ctaagaatag aagctacatt tccacaacgg 240

gatgaacccc tcctgggtgg cttacttttt gctcgtgcac attaa

465

<210> 41879
 <211> 428
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910026c10a1

<400> 41879

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 tccaacgctt tctcctcaac atacagcttt gatttggatt ttcttgggac caattacata 180
 cttttcgact tgagaactac tttaaacccc tttccaactt ttacacttgt tgttcattta 240
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 atgagcaaaa gaaagacctg tgtccatgtg gcgactatac aaattgtaac taactggtaa 360
 caaccgtcta tctgatgaaa atgggtcatt ttgagtcaga gacatctatg cacaggaaac 420
 gacatttt 428

<210> 41880
 <211> 573
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910026c11a1

<400> 41880

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 ctcaagtaat gaaaatctaa gtggggcaag aaaattagaa actggagatc ataattggccg 180
 aagtaagctc aacttccttg catttaacta acaaattctt atgccttgtt tgcaatgttg 240
 tttgagagcc agtcaagtcc ttcataagagc ctttcaccag atgtggcaca tgtgctctgg 300
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 tcatcctcat tcaacattct atgcaactga tctctagctt caacaactcg gtccctgtca 480

ttgctatcaa ccacaaaaat aagtccttgt gtattttggga agtaatgtct ccacaaagga 540
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<210> 41881
 <211> 528
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910026d01a1
 <400> 41881

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<210> 41882
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910026d04a1
 <400> 41882

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 gggggccctt aaaaaaaaaa ggggaaaaaa aaaccttttt ggggggtgtt atgggggggg 180
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 cccccaaaaa ggggcattaa ttgacccccg gggaaaaaaa ccccccccc cccaaaaaaa 300
 aaaccccccg gttttttttt gggggggggg ttttaaacac cccccgggg ggggttttta 360

cgaaaaa

367

<210> 41883
<211> 321
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910026d09a1

<400> 41883

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tgtgagctat aaagacccaaa gaatccagcg ccttatacctt ggggaaagcg cagcacacca 240
tggtattcaga agatcaacca agaaccatag cttccttacg gccattgct ggccgctgt 300
aaagagcgac tgaaaatgct t 321

<210> 41884
<211> 474
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910026d12a1

<400> 41884

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aactgaacag atcgatcctc aggactgaca ttatcaaacc ccgcattctc aagcatctgc 420
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<210> 41885
<211> 565

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910026e01a1

<400> 41885

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 cttattttca ataaacaaac tgaggatgac tgaaacacat gattatagct acacatgaga 240
 ctagatcaaa agccaaacca gcaccaagaa aggaaataaa tgtgatatga atgaatcaaa 300
 cagtcaaata taagaacact cgggacggtg taaccctgcg atgctagact gcctcttaca 360
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 gtcctcaagg ttgcggaaac cattagtcag gtcctcgtgt aacttctgaa atttagcaac 480
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 atctcccata cgatgcttga taagg 565

<210> 41886
 <211> 378
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910026e02a1

<400> 41886

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 tattacaagg gaaaacaaaa ggccctcttt cttaagggga tacacctaac caatgaacaa 180
 actgaggcag tcaatatatt caagatttgg acacgattac aagggtcgg tcgtgactta 240
 acttgctatg ccatgcattt acacatcatt cttaaccgc gtatcgatgc ccgccggaca 300
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<210> 41887
 <211> 471

[illegible]

<400> 41887

<210>	41888
<211>	317
<212>	DNA
<213>	Glycine max

<400>	41888
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<210>	41889
<211>	493
<212>	DNA
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<400> 41889

<213> Glycine max

<223> Clone ID: jC-gmro02910026f02a1

<400> 41891

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gggggtttttt ttgaaaaaat ggggcctatt taaaaagggg ccaaaccctt gtttttttga  180
aaaatttgcc  ggggccggaa aaaaaacctt ggggtgggagg ggaaagaata ttcgggggga  240
aaaaaaacaa accttttaag ggcccccccc ccttttagatt gggcaccccc ttttttagcc  300
ccaaaacttg  ggctgtcccc ctttttgaaa aaaaccagg cgaaaaaac ttttttttaa  360
cccaaaaaaa attttttggc attttgggct ttttggagac ccctttaaac cccaaggttt  420
tttttttacc  ccaaaggggg gg                                     442

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<210> 41892

<211> 454

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026f03a1

<400> 41892

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aacctgtatc  agaacactat atacaaaaga tattacagta ttcgaaggaa catgaaaaaa   60
ataaatcttt  tttggatttg ggggaagggg ttggaggaag agtcgaatgt cacaaaatcc  120
cattctaaca  ttaacacctg taaaataaac acctatccaa gtagaaatac acatgacaca  180
ggaaaccatt  ttcaagtaat ttcataaaa tgagttcacc tgctaaaagc atcttatgat  240
atactatgta  cttttcctcc ttatgtgatg caatacagca ggggatcctt caaataaatc  300
taatagatag  gtctctagat cctctggtgt atacttaatg tacttcccaa catgccttcc  360
ctctaactga  cacctaaatc ttcccacaaa cgagcgggat gcaggaatca ctttttctga  420
tatagatatc  cgcagctcct cccgaagctg gtca                                     454

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<210> 41893

<211> 567

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026f05a1

<400> 41893

gaaatatcca tgtaacaagt aaataaccaa aacgaacggt ttaaaaataa ataaaaggcc 60
 tcagtgccac ggtcttcaac ataaaaatca attctacagt aaagcagtaa ctaactttgt 120
 cccaaaactc aaaaacagat tcgcatctga aaacactaaa aagcttaacc taataacgtc 180
 caatagccca aactctgacc acaccatcgg tatagccact aaacaaagtg cttccatccg 240
 cactccagtt caaacttggt caataaataa cttcttctt gttggcggtta ccaccaccgg 300
 aggtggcatc agcctcagtc ttgaggtcaa cttcaaata ctcaacgata ctcttgctct 360
 ccaaattcca gatcttgatg ctctgctcgg tggcggcgca gagccagtac ctgttggggc 420
 tgaagcagag tgcattgatg attgagccag catcgagaga gtaaagacgc ttaccctcag 480
 ccaaattcca cagaagaata accccatctt tgccaccact ggacacagaga gagccatcag 540
 gggaaaacag cacagtattc acatacc 567

<210> 41894

<211> 389

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026f06a1

<400> 41894

acaacggaac caaccctaatt gggaaaaatg gaattaaact ttactataa aagtaaccgc 60
 cacatttttt gtcattaaaa aaaaggaaca taacgtagat tttccatcc cttaacgctg 120
 gttcctctca ttgtttccc aaacaatata ttgacacata agaaaagata taaccctgat 180
 ctataaataa ttgggaattc actcctggta taaagaaaat gaaccagtc gcctaattggg 240
 cacctgatgt tattcatgcc ggtcaccaga agttgcatca ctttttgtct aatcagttgc 300
 tattattgat ctattccttc gaatctggtg cagaggacac acgtagtga ctataatctt 360
 gtgttttggg gagggaaaag ctaccacgc 389

<210> 41895

<211> 474

<212> DNA

<213> Glycine max

003320"CTT50

<223> Clone ID: jC-gmro02910026f07a1

<400> 41895

gattgcatat tatttacata tatgatgctg catattatac ctttaaggtgt tatatatata 60
tatatatata gagagagaga gactaagact aaacttcagt aaatgcatgt ttggtatcac 120
atcctacatc tccaaacagg ctataagaaa tctgaagcaa aatcacgtga aggatgacag 180
caatccattc acagtttcat ctagggaaac gatgcttggt gagtccaata aagtaggctt 240
ccttatccag tattgctgaa acctctgcct tccatactcc ttatagtcaa agtcaatttt 300
gttcacataa ctcgaaataa gtccccacaa accccaaaat agatgggttg caagagtgtg 360
tttttctgca gctttcacta actgggtcac tttaacattg cttgggttat tgccttcaga 420
actcagatag ttgcgaataa atctttgacg ttcctctagt cctggatatt tctt 474

<210> 41896
<211> 568
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910026f09a1

<400> 41896

attgagatca aatatgggta aacttacatt gaaaactcta caaaatgtac ataaatgatt 60
caaacaagca tatcacaaca caaaaccaa gaattttctt cagatgtgag accccaacat 120
ttatactact ttacaacaat aactaactaa tcatacttct ccctccacat gtacacaaga 180
aagaagagcc aggaagtggc caatgcaatg tccccaacag catgcctagg ccagtcatgc 240
gcaagatcct caagcttccc ctcaaagtag aatctccaca ctgccataga gatatgaaga 300
agcacacacc ctttggcaaa gaaactctgg aactcccagt ccttaacaca agcaaccatg 360
aacacaagga accctattgt gaacaacagc aagccagaga aggaatctga ggtttggatc 420
agtaactgat catgggggtgt tgacccttga agcttgcttg cagtctttgg tccatgcccc 480
aacacactta actctttgga ataaaacacc atcagggatc cacaagtcaa agctattgca 540
gaatgcagaa cacatatttt gaaaaagc 568

<210> 41897
<211> 501
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026f10a1

<400> 41897

gtactgtaaa gataagtatt taaaataatc ttagctgtct gctaccaata tgttttgagg 60
 gtttaaaaaa atacctgagt cataatatat aatcgggttc aatccaaaat ttcagacatt 120
 ttaatacaat cttaagaacc tcgcatacct tacaaccaag ctacaaattt aaaataatac 180
 tacagtttag aggagagcaa taaaatccat cctacttcaa cacacagttt tactaggccc 240
 cgttaggaag ccccttgaat tgcagttgca gggtgcatgg ctatatcctg attctgtctc 300
 acagcaaate catggcctcc ataactctga ccacaaaat agcctccatt ggaatcagat 360
 ctccaatgct tatttcctgg actgcgaccc caagaaagtc gcactgtctg ctttccaatt 420
 actgtcccat tcaatgcgtg aattgcttcc tcagcattct ttctgtctgc aaattgaaca 480
 aatccacacc ctttaccac t 501

<210> 41898

<211> 414

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026f12d1

<400> 41898

ggaagtcaca aacaagttta ttttacatat atgtaacgtt acatagaccc tacaggatac 60
 aaggccatcg ccatagcaac ttctacaaa cgaaaaagtc caaacctcat tgggctgcct 120
 acatatcaaa aaccacccat atcagatata agcacacatc agttttccaa aggccatatt 180
 tagaggcctt caatgaagtt gaccccagtg ttcttcaacc aaacattgcc ttggatgagt 240
 tgtgctaccg ggaacttgct ggcctcaact gcagttttga tgatatggta accaggccaa 300
 ttactctct tgctggtacc ggcaccgggg ccattattca tgtactctcc ataatacaac 360
 gtttgcaaaa agtctttact ttgggcatcc cattcagccc atcctgttgg gtca 414

<210> 41899

<211> 521

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026g01a1

<400> 41899

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gatccacaaa gctaaaaaat agcactcttc cttccattga tgttgaatca aaccatatta   60
aagattccca gagagggaaa actaaaaaac ttgcttctat agttgctagt tacatgctat  120
ttacagtatg aaatgaatct cataacccaa agctgaaaaa aaagaaagta ttactattct  180
ttgcaaaatt gccatcacca ttcaccaatt aatcatccat aaccaagtc ctgctatgtc  240
tccgcgagct tctattgaag attgaactca cgtgactacg gcttctactt acagacccat  300
gtccagaaga agagtttcta gaaccaattc ttccaaagaa tgaaaagaaa ttgctaataa  360
ctctaccaa ccctcgactt tccctaacct tattgcttct aacagaacga gaaattctcc  420
taggagcacc accgttcgtg ttcagtccac cgtccatctc cgtgtacacc accgggaaat  480
gactctcgcc tgttctccgg ccgcccggaga atctccccac g                        521

```

<210> 41900

<211> 447

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026g02a1

<400> 41900

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cccctgaaaa aaggatatttt gcccggtcc ctgtttttgc ctccccctgg ggggaaaaaa   60
accttgaaaa cccatggtca aatcccaatt ggtttttgtt ccgggggggg taaaacattt  120
taacaaaacc cttccttgaa aaccttcgag acggggggccc ttttttttcc ccggggacat  180
aagcgggaact ttttaacctt ttttttttga aatttgcaa aactaaaaac gttttttttg  240
tttggggaaa aaccacctat tccccccctt tctttttttt tttaacaaaa cagggaattc  300
ccttttccga agggctcctc ccattttttt tgtgggggag atttttttta cctttccggg  360
ggttcttttt gctggaaatt tttgttttgg ttggaaaact gcccttccca tttttaggga  420
attgcccaaa ctgggaaaaa attttttt                                447

```

<210> 41901

<211> 452

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026g03a1

<400> 41901

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ccgtaaacct ttttactctt tttccaacat tttctttcca cagaatcaac gcacaaaaag   60
gaaagaactt tcaatacaaa aagacagaat ccaagatgaa atcttggggc agtaataatt  120
cattcatttc ataacctaaa acaaataaat ctaaaagcca ctttccaaca acgaaaacgg  180
ataaggcggc accgcattcc cctccgccgc catttcccca aaaaaaacc cagccccaa  240
ataccctcct cccatcgtcg gaaccgccgg cgccaccacc gtcaacggcg ccgtcacggc  300
gccacgattg taccatgac aaccctgttc ccccaatac ccgcgcgcca gaggcgaaca  360
aatattatta ttatcgattt ccaaccctgt ctccggcgac gaagacatga tattataatt  420
accttcgtct ttttcgaact ccgtcttgat gc                                452
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<210> 41902

<211> 408

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026g04a1

<400> 41902

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atccaaagcc aaaatttgac acataaattt ggttttttaa aagcaaacca agcaaaaatt   60
ggacacaaat ttaaagggtg catttaaaaa gcaaaccaac aacgcaacgg gaaagcccta  120
aaacttggtg ggcttaaaaa aaatgtaatc aggggttctc ccaaaccccc cccattaaaa  180
cagaatggta aaaggggttt tgccaccggt gataaaaaac ccaatttttg gaacaaaagt  240
tgcgagatga tgggggagac ttcaaaactat gtccgaaaaa caagcttcct aaaaacgaaa  300
acacaagggc aagaaaccaa catttattgt gaccataaga aacgacatcc cctgatgaac  360
caaaccggac gatttacttt tttttttggg cagccttggt gaccttgg              408
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<210> 41903

<211> 573

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026g05a1

<400> 41903

gaaagaatac ataaaaattg ttattctatt tctagtccag tcttactatc agagtattgt 60
 atacaatgaa gggattttat aatagcaaac aaggataact acttatgtac cttgttccaa 120
 atcagtgagg gtagtgtaaa caaataaaat gaattaaagg caaaaatagt gacgggggaa 180
 agacatgatg taggggtaac cactaaacaa gcattgaccc aatcgcttat acattagatc 240
 atagcaaggc acttcacttg aaattgccaa gatagaaagg agatggagag ggtattgtgc 300
 agagaaaatg agtgttctct gcttatgact tagttgtgag gatcattcac gtagcttaca 360
 attctgaaga tagggatgat taaatttgac atatttggtc cagtaagacc gatactttgt 420
 catggctatc tctaaccacg gcttcatatt accattgtag tgtacgactg ctgcattatc 480
 aatctccgag cgatctacac ttggattgta accagaccg agtacgtgcc atgatttatt 540
 aagtggatgt gttaatccat agaatgtcat cag 573

<210> 41904
 <211> 324
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910026g07a1

 <400> 41904

ccaaaaaacc ccccccttt tttttttttt ttggaaaaaa atttattatg cccctgtttg 60
 gcccccccg aaaaaacaag gggggattcc ctttttaaaa agtccccccc cccctggggg 120
 ggggaaaaac ccccaaagg cttttttttt ttccaaaagg ggggggttaa ttttcccaa 180
 aaaaaaaatt tttggtcctg gtggaaaaaa caaaaaaagg ggggtggggg agaaaaaacc 240
 ccccttttaa caaccctg ggggcggggg agttaaaaaa aaaggggggg gaaggggggt 300
 ccccaaagga aaacaatttt aaaa 324

<210> 41905
 <211> 535
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910026g08a1

 <400> 41905

ggaaagaggt agcttttatt tgcaaatga tggcattcca tcccataaaa atctacatcc 60

acacaattta taatgaacaa gaatgtaata cttctttctt taaaccatga taacacagat 120
 tgtcaggaga aattatagtc ttctagatgt tggcaatgga cacgggctct cggaggatcc 180
 tctccatctg ttgtgccctg gtcttaattg acatgtcaaa gaccttctgg ctaaattcaa 240
 gcacaagccc accaagtatg cttggatcaa tcttctgttc aagatgaacc ttcgctccag 300
 aacctattat ttctgaaga gtctccttca atgccttttc ctcttcaggg ggaagaggaa 360
 caacagtggc cacagtcgtc tgcacttctc ctttatatgc cattgacaac tgtgcaaacc 420
 tctttgcaat ggtgtctatg tttttaagcc ttccattctc agcaacaata acaaggaagt 480
 tctttgtaac atccgaaaac ttggcttccc cacaaatc ctggataact ttcac 535

<210> 41906
 <211> 539
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910026g09a1
 <400> 41906

aaacaaatca tgagttacat tacatagtgg tccaatgtta cagtgtagga agctaacatt 60
 caaacaacct ttcaaataac aaggtaaaag ccctacacca caaaaataat tatggtaatg 120
 gcctatctat gtgctgaacc cgagaatgtc agcataagtt gtgatcaacg aaaataaaaag 180
 catctgctta caacatTTTT aaggttacaa caatatTTTT ctccgaaata ctttgTTTTc 240
 taaagggtgca ggctactatc cttgcttggc caaacagtg ttagtggcag aaaagttagc 300
 accagcgtat tctgcagtgg cacactcttc agactttctt gtcgaggttg tatgggtgctg 360
 cactcatcac ctttcttttg cgtttttcta aaaatcgagc caaggatgct ttccgggcct 420
 gaggtacagc tgatgtcaac atagtgggtg cactgactat ctttgagggc tccacattgc 480
 aaacaggagt ggtgggaact ccagttgttt tatcaatact agttgagcca ctccctgac 539

<210> 41907
 <211> 589
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910026g10a1
 <400> 41907

gaatctaact agtacagtaa aatttataaa tgtaggagct ctacagattg atcaaagtta 60
 atttccggaa ggactacatt ttattttgtg ccaaaatgaa gagtaccgtg agagatcaca 120
 tgaactacag tgttgcatca aatattatta ctaaaatata atgttccatc aatcctatag 180
 tatggccatt cttgtataac ttgatatctg ttgttccatc attttctctt ctacagcttt 240
 actcaatcat gaattttgat cagtaccagc aatctaccac ttcccccttgc tctggcaaatt 300
 cccacttctt tgggggtcct gagggcccttg gggatgcacc aaaatcatcc caaccagtc 360
 ttgcaatttc cacgccgatt gttcgaccat aaaaatcctt ctgatccatg gtttctagt 420
 caagcatggc atcatcttga catgtatatt gaatgaaagc aataccctta gatctttttg 480
 ggttcatatc ttaaccatt ttaacttcag ctatcttgcc gaaatttgaa aattccttct 540
 tgcaagtagt ctcaccggtg gaatatggta aatttttgac acaattttg 589

<210> 41908
 <211> 546
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910026g11a1
 <400> 41908

aaaaaataaa taatgcacta aaaatctggt gtataataac aacaataatt tcagtttgtt 60
 gtactctgaa aaatcacaaag gacaattcat ttattacgga catccttttc aggttataat 120
 actctccttg ggcttgactt ggcacaaacc gattcctcag aaatcaattg actttattat 180
 tatatcagca tttttcttgg acttcattat aagttctgca ttaagcctgt cgttggttctc 240
 tatccgctgt ttagcaatgt ctggaggctt gccagttgaa atatgcctct ttaaaactcg 300
 ctgcattgct ttgtcaatgt caatatcaat aaaccatttc tcgtcaaaca aagacgatat 360
 ctcttccat accccatctt ccaagagcaa atagttacct tctacaataa caaccttggtg 420
 cctacacaaa ggaagaaaac aaaggaatct gtccatgcag cagtatatat ctacaaaacc 480
 aaaataagct ggcaatgtaa caagaagcaa caatttgaa aatcaattac cctgatttgt 540
 aaaaag 546

<210> 41909
 <211> 270
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026h02a1

<400> 41909

caccaactct aacagaactc aatTTtatta tTTaataaaa cagtagaaaa tccttgacag 60
gcgacaggaa ggaaggggga aaaccaggat tTTtgaaaa gggtaagggt gatccttcta 120
atTTttcaaa ctataaggcc ggggctcaat accgcaggca atcgagaagc caaactgcgt 180
tTTaagtcag gggaaacagc gtgttcacca atcatggtct ccaacaccgc cgctgacaca 240
gccttgTtct ctatcactgc agcctccttt 270

<210> 41910

<211> 555

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910026h03a1

<400> 41910

gaaggatacc aaacacaatt acaatttaca aatacaatgt cccagtgtga aggttattga 60
agtatacaaa ataattcaga cgtgtcaggt actagtaata ctacaacccc acaatctaag 120
tattttaaga gaagctcaca gcagtgaatc atTTtaccta taaacaacgt gcaatgattt 180
gttatattta attatgagtt tcattccata aataatgaaa tgTTtctatt tccattgctt 240
aggTactctt ttaatcttga agagTTtata cattggTgca gtgtcaatga aaagtcttct 300
tccatccctt gatgtggatt catgtttcca tgccggTcca ataaaccatg atgcagcaac 360
gccaccaacc aaccctccta aatgtcccca gttgtcaatc ccagtggata atagcccaat 420
aaccatattg agggcaatta cttgtgctat gtgtgtgtaa tctTTTTtac cacctccac 480
aaggtctttg tgcctcaata caaatcggc aactgatcca acctgaatca ttgtagtca 540
tccngaataa aagac 555

<210> 41911

<211> 496

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026h04a1

<400> 41911

attgaggagt tcttttcttc gcttatttat taatttaaataaaaaaccaca aggaaaaaaaa 60
aaaggtttat ggagaaaaat tccacaggga tgatgaacag ggtttgggac ttgacttata 120
tccgcacccc tcccacaagg cttttttaca cgcaaatgg caccaacaat ggaaaaacat 180
gcatcatcat aatagtaatc accatcacca gtgccttccc tgagaaccac caccaccacc 240
accacctttg ttcttcccaa agaaggcatt attcttgggt tttgacttcg gtaactcatg 300
gatgtccatc acctgaatcg ttctttgcct tttggcaatt tcagcctctt ttagttctc 360
ttgaagcctc cttctcgagg aagcaagcct ctccgcgtca aaattgctat ccctctgtct 420
gttttgagta gcggaagcag gggttgaaac tgagggtgat ggcgcggtt ttggcctagg 480
ttcactgcgg ggaact 496

<210> 41912

<211> 327

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026h05a1

<400> 41912

aatgcaaaca gtataatgaa aataaatgg caaatccct caaactgaga taataaccta 60
tcaactgcaa ggtctaata tagttaccaaaca ctgaaataga caacatagca agtccaaata 120
taaaaacat tcaaacatca ggaagtctga ccctaccaa tagcacttag atcataaaat 180
tcttcaatga ctctgataag accattcaca tagactaaaa gatccaacaa tggcaaaaca 240
gctacaggtg caatagtcg acgtctccag aatttttcat gaaaaacata gcttattcat 300
ccccgtttga atttcgaggg gaaggac 327

<210> 41913

<211> 409

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910026h11a1

<400> 41913

aaaaaaaaa agaccctact ccattcccgg ggttttacta caaaaggccc actttaaaaa 60

tttcttaaaa agaacaaacc cttacaaaac attttttttt ggaaacccgg aaaaaaaaaa 120
 aaaaaaaggg gggcttaaaa agaaaaccca ttggcattgg ggggagcccc ttttcaattt 180
 ccattacca agggggggcgc aaaccaactt tagtttccta aaaaaaaca caatagtccc 240
 gggcaagtct ttttcaaaaa cccaatggcc cactttgatc ccacccggac cccaacccaa 300
 ccccataaat gcccccgagg gggggctccc ccccggggta tcccaggagc aaatagcacc 360
 cccgggggta aatttggcct taaaatccgg gtttaaaaaa cccccttgg 409

<210> 41914
 <211> 494
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910026h12d1
 <400> 41914

attactaaca tgatgactta aacaatcatg ttgtacaaga tttcaagcat tgcaaattga 60
 aatccattta cctggtttgg atgacaataa tattttataa aatgtaaaaa cttacaaaca 120
 gcttaaataag ccagaacatt tggatttact ccaagcaatt gaggtcaaca acaacacaag 180
 ggtgaattgg atcacatcct attatgacac agtattaatc ccaccccttt acaacctcca 240
 tacaagtgag ctcaataaga aaagaccagt taatccccca taactggaag gttcattcat 300
 cattgccagc atcaccacca caaagtgcaa cattccaatc cctcttctaa cttttagata 360
 attcatggaa gcacaacaga aacatgggta gtattatc accccaatca aattaaaact 420
 tcaagcaaag ttgtttgtat ttgacattga agaccttcat cctacaaagt catgcaacag 480
 ttgtcctcca atga 494

<210> 41915
 <211> 518
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910027a01d1
 <400> 41915

acgacaattg tatgtagaat attgtttaga catactatgc aatattccag tcaagagtta 60
 ttattaatcc tatattattt acagttgcta gcatttttct tagaaaggcc aagtttggac 120

aatgtgtaac cctcaactaa ctgaacaagt cgtcttggt ggttgatatca ccatcgacat 180
catcttcggt agaactgtca ctattggcat tgaatgtcag tatcaatggt agaaggtctc 240
gaactgtaga tgagttttct ccattgctta ctgtcctgac ccttcgtctt ggaagtgaaa 300
tcagttgcat taggtcttca ggataagcta tccggtacat ccagccctta gccttcgggt 360
tctgtcggac ataaaatttt catcaatttg catcattaca accaccacca agattatcat 420
cgttgccatt gtcatcatctt ttatcatcaa caccattggt gacatcaaca tcatcacaat 480
cataatcatc atcataatca ttgatataat cgctataa 518

<210> 41916
<211> 544
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910027a02d1

<400> 41916

gacacaaacc ttaattaatt gatcaattat cttagtagac actttaaaat gttcattatt 60
aattataatt atatgatgag ttaataatat attgtgggtta gggatatggga taaacgacca 120
cttttctctgt ggctcttgaa gtttctaagt aggaaatggc ttcaataacc tgagaaaatg 180
gcaactggagt cttggcatcg agtataggct tcaacttacc actctcaaag taagggtctta 240
aattctctaa gatagatccc tttgaggtga gcacaaaaaa catagctggt ggatgtccag 300
gtggtactat tgtcacaact ttcccatctt ccttaacggc cttaaagtct ctatcacctt 360
gccctactac atcatacact agatcgtatt tttctggaag gtcttcaaag ttctcctttg 420
tgtaatcaat aggcaagtca acgcccact tccttaaaag ttcaagtttg ccggtgctag 480
cagttgctgc tatcttagac gccttataac ttgttttagct agctgaataa catagtttcc 540
aact 544

<210> 41917
<211> 527
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910027a03d1

<400> 41917

gggacagtaa acaatgagct aaattagcag gggaaacgacg atgatagtca acataattca 60
 taacagggaa caacatcaaa gatgtaaatc tttgcatggt ctttagggta catttaagaa 120
 aatcaaatga gcaaaggcaa atggaacacg gaattccttt ttaatgacta atatggcagc 180
 aacgtgccat attcaaattc ttccactagt tgcccatttc attttgtact cccttgacag 240
 ctagagcttg ctgaaagcac gacaatgcat attgcacatc acttgctgat atttgggtgt 300
 ggagaacaac tctcattctt gatgaactct cttgcatcac aaggatacca cgttcttcca 360
 tgtacttgca tatcttttct gccctagtct ttgtaccctc ttcaatgtca ataaatacca 420
 tattgggtctc cacagaacca gcatccactc tcagtccttt aacttctttt aatccatcag 480
 ccaaaagtct agctttcttg tgatcacttt ccagcttccc aacattt 527

<210> 41918
 <211> 526
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910027a04d1

<400> 41918

aggagtaatg gtgattgata attcgacaat agtgtgatca cacggtaaca tgaggtaaca 60
 cagggaacaa tgaatatatc ctgtgtgata taaagacata tatccacacg cacacacaaa 120
 acaagaaaca gaagtttcaa acttgaattg atactatcta aatgacacag taactcacag 180
 tcactaatgt gcaatgaccg attccatgta aagtttgaat actaatacta ataggtatgg 240
 cttatcgtac taagaagctg aaaccaagct acgattactg cctacaaaac ttggaaatcg 300
 tatcaagcat gtatctactc tctgaagagt agttcacctt atcagccttg accacagtaa 360
 tcttcacctt ctgttcacg ccatataatt cctctttgat tttcagccta aacatgaact 420
 ggttgaagag tcggctcttg attatctctc caaacttttc atcatcctgc tcttcatggt 480
 taaaaagtac agatcctttg ctgagtaatc cataatctct tcccct 526

<210> 41919
 <211> 571
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910027b01d1

<400> 41919

gcagtcacctg cagaggtaat atcttctacg tctgtagtat cccaccacc taaagatata 60
 tcatcattgg ttgtttcact ttccacagat ctaatggtat ctgctctagt ttcacagct 120
 gagagaacat tcatatgaaa ccatccaaag gtcgggtttgc tgattttagg attcttagct 180
 ccacattttt gacatttctt atgttttttc gtcagcaatt tccttagaac agacattgcc 240
 tactaaatt gaaggagggt ccaattttct cccagttgct cagcactata aactggctc 300
 tcatctccat cacctggatg tatgaattca tctggattaa aagaatccac actttttcca 360
 gggataatag attccaaacg ttttgccctg ataatatccc ctttcattat gagctccaat 420
 tgggatgtac gaatatcaac ctctttgctg ggggcccga aatgatggca agtgaaacaa 480
 gttctttgca gaatttgc aagaatattg aacatcagag ggttgtagac aggggaaacg 540
 agctcaatat gaccaaata cctgggcaat g 571

<210> 41920

<211> 558

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910027b03d1

<400> 41920

ggtattgaat attttatttg agctacatac aaacagttta ttcaaccaac aagcaatggt 60
 cgattttttt tacaattttt ctgcccgcgc tgcattgatt agtttttaga attggtcttg 120
 aatcattcat acaatggctt ttgcatttgc ttttgagggg gaaacaaaat ctttaggcaa 180
 agctttttga acaacgttaa ggggacatca ggaatgtgcc cttcaatcca aaaacctact 240
 aaaaatgaat ctgaaatcca caaataatga accaacaaca aatctacaca atttgcaagc 300
 aaggaaagct cacaagccta ggcattcatc ctccaattaa atgtctcggc aattaaattc 360
 aaactagata acctcagcag caacagaatt caaattcttc gaattggaac cagaaacccc 420
 atcctgtttc gaagtagtct cactctgacc taaaatctgg cctttactca agcctaattgc 480
 atgcttgtcg ctccaacaag gccggtacag attcctccct cttatggagt atcttccact 540
 tccanacctg ctggagct 558

<210> 41921
 <211> 524
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910027b04d1

<400> 41921

ctacctgcac tttattcacc acaaaaaatg ccttccattc cccacaagct agtgggtgtc 60
 acaacaacct ctgaacaaac tatccaactc cacagaattg caggtgaaaa ggggggaata 120
 gacggtatgt attatatact tctcctgaaa atgtggggaa aaataaaatg tccaaaagaa 180
 agaaaaaaaa ttcaaacttc aagtagttta gtcgtgtaat ggctctgcag aagccgggaa 240
 ggaatttgat gtagtatcat cttgtttgga tgaatcttct gtagcagctt ttgcatcaga 300
 atgctgaagc ttgttgtcac ttgataattht agaaggagat gtctcaggtg gttgtacatt 360
 tgataacccc ctggtgagag gagtatcaag tacattcata gcaggtgagg tcaagccata 420
 gttctgaggg atagtcaaaa ctggatgata aaatttgcac gttggggcaa acttgcacat 480
 tccatagatt cttgtataga gcatacagct tgcccaggtc tcac 524

<210> 41922
 <211> 357
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910027b08a1

<400> 41922

tttagcttcg agccccgctt caatgacact ggtgctaata tggaaatgtc aaaggctagt 60
 actggtgcct ttgacgatga aaatggcatc cctgagggct gagaatagac cctgctaaaa 120
 ggatactgat atctatgcct acgggtccaaa taataagggc tagaaaacaa aactccagt 180
 tgcaaagatc gattaaggac agtggaacat gaccaagcct ataggatacc ttaacacgta 240
 tccgtccagg cttgataaga tctgggtgccg tgagaaatat cacccatgac caatgtcacc 300
 gatgctgagg tatgtgacag aacaaacaag cttaatgtcg aataccaaca gattgtc 357

<210> 41923
 <211> 529
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910027c01d1

<400> 41923

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aaaaacaaac ccttaacttt tagattgaaa agaccaagtg catatagatt gaaaaacgac   60
aagttttccc ttgttccatg atgtcatgac accgacaccg aggaagtgtg tggccaagct  120
ggtagaaaagt aaggaactac tttgctagat tcccatgaaa tggtagctcc acgaccctga  180
taattaacaa tttccaccgt tttggctctcc aaatcacaca gcaaaatgtt ccaccccgac  240
ctaataaaga tagatgtaga attctgagga aggaatgaca atatctgagt ttcttttagaa  300
tgtgtgctta aagacggcat ctgcttccat aatactttaa agtttaaatct ccacctcaga  360
atccacttgt acttcagatg agtgcagttg cagtaaatac acgagttggc tctgtcttcc  420
ttctcaagta tccatatctc cagaccaag ttattgctct ggccatactg caaaagccca  480
tcagatgact cccaagaac agattcctta tgctcgtgtg ttaaacaca                529

```

<210> 41924

<211> 441

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910027c03d1

<400> 41924

```

aacagtagaa ggtgcattac atatataata acttcttggt ttttatcaca ccaagttgca   60
aacatagaag agatgatcca atttacaac tacaatcct tcaccacaac aggaacatga  120
gagcacataa aaaatataag aacctccac agacaggttt ttgggggttt ataagttgtg  180
acaatcatga aaaaagctta ctgaatataa acatcatgac aacagaacac accgatagta  240
aataatatca tgatcaacaa ggcagcttta gtaccaaatt ctatccagtc caaacatgcc  300
ttaagttgtg cttccaagcc attatggcct tgtgttgctc cctcacacag ccaagaaaac  360
attttaaccc cacaagcagt tagatggata gaaggggtgtg atgagatgct taaatctgcc  420
tagttcctgc tcttactttt t                                441

```

<210> 41925

<211> 391

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910027d01d1

<400> 41925

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aacattgcag actaaaatta aaattgaaaa gatcaaaatc caaattacac caagttcata   60
gtaataataa ctaataacaa caagttaaac ccaggataat aatgagaaaa aagagttccg   120
gaaagaaaca aggggggggg ggggggtttt gttttccaat ttccaaatga aacgaaaccc   180
taaccagagt tttgttcgtc cttgtcatgg ggctttctgc agaggatcat gtgcatcgga   240
gagaaaatcc cagagtcacc ccctttggtc aaatagtcag cggctctgaa gagcatttta   300
tgaacattga cgggcccctt aggcgcgatt cccaaagcgg ggagaacagt gaccacaata   360
tggtttcgcc agtacgcgat cctacccatt t                                     391
```

<210> 41926

<211> 503

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910027d02d1

<400> 41926

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aattgaatgg agtgcgattt cattacaaaa ttaaaagaca acgaaagaca tggatatggtg   60
gcatatatac tattccctaa cgggacaaac ttagatactg cccccccaaa agaataccat   120
cagtactacc aaaacggaga tttctcctca atagaaatct aatgcactac aatatttata   180
ccaaaaacac tttaaaaaaa ttgttccact cgtcctttct gcttgttcct tcaatccctt   240
ctctttgtga gcatcaggtt taccttcact caaatcgcat cgtgcacata tgtagacgga   300
aactgcatta gtaagactta agtagctaag ttcggtgcct cctcaaaact caggcaaaag   360
ccagttaaag gttcaatggg tctgactctg cgtccctatc cttcaattgc caatcttctg   420
tttttggctt atcggaaatc accatcagtc gcctttgcaa gatacaagcc accaaaagga   480
aaaatgagca catgccaaac ata                                           503
```

<210> 41927

<211> 499

<212> DNA

<213> Glycine max

<400> 41929

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ccctaaaaat ttgagatatc tccataacat gaaacaataa agaatacaca actattcacc 60
agatgaagat ttcaaattcca ttgttacacg aacaaccata ttattaaacc atacattgaa 120
tggtcattta aacatacatg tattcaccac ctggaattgc attttcagca cttttcctct 180
cttcttcagc ttcctttttca cgctccttcc agctctcata ggcatgatca tcagtttgca 240
gctcatgccg acagatggga caagaattgt gctcatccag ccatggcttt agacatgggtg 300
ggtggaatgt gtgcttgcac ggcaactctt gcattttgtc atttaaaacc aagttctccc 360
tgcaaatagc acactctgca tctttcccca aattagccag gatttcctct gtgagagtaa 420
tgaccggaag atttgccaca acctctttac tggcaggagg tgcttttggg gctaca 476
```

<210> 41930
 <211> 559
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910027e04d1

<400> 41930

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aaagacaagc gataaatgat agtgagaatg atctataaac atcgaacata atatccaatt 60
gttcaaactt caaagcttaa acataaatag tcaattttaga ggaaatgaaa ttgctgaatg 120
ccccataaat gaagaccttc aactggagct tgaatcatca gtttttgctg ctgcagatgc 180
ataactaaca ctactatccc tggttactttt gcaactgactg gattgctcat agcgaagaaa 240
tttgattttt atctttgttg agcagttcct tagcatatga agaaaaacac taattggatg 300
gcgtccacag attgtattgt catactccaa cagatattgc ttgaatgaat ctggatctcc 360
tgtttctatg atatccatgc ccactttgtc taaggcctca atagatttgt atataggccc 420
atgtttcttg tcatagtgca tgtaattgaa tcgagatccc cagtgacaaa agtctgatga 480
aatagagaag aagttattgg aatcatcaac atatttggca agaactctgc catacatagc 540
ttcattntca gcactaaca 559
```

<210> 41931
 <211> 351
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910027f01d1

<400> 41931

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gtgggaaaaa aaaaaaaaaa agtgtttttt tggggggcaa aaaaaaaaaa aaacgggggg 60
gggtttttaa aaaaggggaa aaaaaaaaaa gggggggaaa acccttttaa aaaaaggggg 120
ggtaaaaaaa aaaaaaaaaa cgtgggaagg gaaaaaaaaa ggaattttca aaaaaaactt 180
tcaaaaaaaaa aaaaaggggt tttttttggg ggaaaaaaaa aaaaaaaggg cccttttttt 240
taaaaaaaaa acccaaaaaa aacccttttt tttttaaaaa aaggggggaa acccccttta 300
aaaaaaaaaa aaaaaaaaaa aaaattttta acaccctttt tggggccgaa a 351
```

<210> 41932

<211> 518

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910027f03d1

<400> 41932

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gagagatgaa ggaactaatc atttgtcttg ccattgcaaa agaatagaac tcccataatt 60
ccattagagc agcaattaat atgggggttaa atctaaaatc caaacaatgg ttgccccaaa 120
gttacacaat taaaataaaa gttgcaactt taacttgcct actgtgtata tccattccta 180
tagaagttcc tagtaggacc tctaacgcag atttttgggg taactactat ggggacataa 240
ggaattgctg taatttgaat ttcaactttc tgcttgcaaa agaaaccgca taaaaaaggg 300
caatacaagc agaacataaa caattcattg tgcgtctgag tctgttgggg tagacttttc 360
cgттаатgca gcaagctgtg tctctgctg tttcttcaga tacctctggg aagttgcatt 420
cactatcttg acaaagagtt cataagcatg agccacacaa cagtgttcca gactgaagca 480
aaagaaaaat cccatttttt cccctgctta tttgggga 518
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<210> 41933

<211> 448

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910027f04d1

<400> 41933

cagaagaaca accgtttttc caaccaacaa agacaaccac accaaatata acaacaaagg 60
 ttagcaaaaa caaggcttgt gtttaatccg gcaaagaagc caccattagc tatacacaag 120
 tttgaaacaa ttctcaagtt tactcattaa actgaatcag tattcagagt ttaacatcat 180
 gtgcaaggtc agcactagaa acaccatgat tcgaaaacac cctctcccag agtccctttc 240
 tatcagcaac caaaactcac cagcaaaaact tcttccgtaa cctagctttt tcttgactat 300
 caatgtaagc aagcagctct tcttgccctca ttagtgcttc ataaagagcc tttttagttg 360
 caattagctc tgcttccaaa gcatccaccc gacatacagc agcatttagc aattcctctt 420
 tctcataagg catctccgat ggcttaat 448

<210> 41934

<211> 399

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910027g01d1

<400> 41934

gaagacaacc tcattaaatt tcaaataatt tttaccaaaa gaatctcagt atatccaata 60
 tggttaaatac ttctgtagag agctaacaac tcctcggtag tggtgtaatc cagtcaaaaa 120
 gtatttcact atgcacatat gatagtaaatt tccaaatctc aataaatagg tggatcagga 180
 ttgaataaca cagattctct ccagatgagt tccttgatat cttcttcagt gaaagatggt 240
 tgctcaaaat caaaactgaa aggtctaacg caagcagggt cctcattaat atcatgaaga 300
 ggagccaagt atgggtgaca cagagcttct tcaactgtga tgcgcctatt tggatcaaag 360
 acaagcatct tctctaacaa atcaacagca ccaggagac 399

<210> 41935

<211> 466

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910027g02d1

<400> 41935

caaattctgt gtgtacagaa tttattttatt caatcatcta attcagaaca tacaaaagat 60

gccattatTT aatttttTgcc cattcaagga caaatgaagt ggccgtaagg ggcaacgcac 120
 ttgttttaggc atacatacat atatataTgaT aaaaagaaac acactttTgaa ttcaagttca 180
 tgttttctcca aaacaagcct ggttgaatga ctcaagcttt aggttgcggt tgtggacctc 240
 gatttaatat catggTcagc aacattacca ccatgacagc acttgtaatt aacagatgtg 300
 acctccatca cacgtccaca agaggcattt gggcatgtta tggttgctag gacatccaaa 360
 gtgttaaatt cacatggTtg aggagcaggt agatcacgtt gtgtgtcata atattcttgg 420
 aatgcaatgt caaagccttc tttgacaagc actctttttt tccact 466

<210> . 41936
 <211> 443
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910027g03d1

<400> 41936

aagaaaaaac atccttcaca tggaaggcca tgttttgata tttgcaccca aagctacggc 60
 aaacaaatgg aattctatta cattatgaat tacaagttcc ttgcatggca tacatcaagg 120
 aaaactggga agttgttgta tgtggattga tttgccacag ctttatatag acaaaccaaa 180
 tgcttaatat caacacaaac acgtgtacag aaaagaaacc actcttcaag aaaaccgaaa 240
 ataagaaaaa ctaacatttt ggaagagggg ccccatcca ctccccaagg cattccaaaa 300
 ggggatcaat gatcttcctt tggcacaaag cagtgaacac tttgtcacac tcttcacccg 360
 gtgagataac cttttcacca gttagcaatg ctgtcccaa cttctttcta caaacttgtc 420
 aaggggtaag acctgcattc ctt 443

<210> 41937
 <211> 450
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910027g04d1

<400> 41937

gtctgcaaat attatatatt atataataat ctaaagaaaa ctctaaaagc aagtgttct 60
 caccctgaca agctacatgg cgaatcacta gcataaccct aaacacatct ctcccttgag 120

agcaacagct aagacacaaa aagcctctat ttatagggaa aagaaatgaa ggaattgcat 120
 agttcaacat tgcaggccag tctatataac gaattctttg ctttgtttgt ccgctacata 180
 ctaacaacac aagcgcagtt cattaaagag tacatatctt cacccaagac aggtataacc 240
 ttcgatgaac ttatgcagtg tgctcttcaa catctccatt ttcaccatct tcagcagcag 300
 cagcagcagc cgccatcaac tcatcaaatt tttcagtctt cccaagtaat atttcaatct 360
 tggccttttg gacaggtctg cctctagaat catctttgat gtcaactgtt gatgtcgtga 420
 ttttcttttc aatagcaagc tcattgtttt tcaagatttc agcaacagta accactgtag 480
 caatagccat tcctagtgt gagagctcaa cctcttatgc t 521

<210> 41940
 <211> 445
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910029a01d1

<400> 41940

gggtattccg aattttgggc cccaaaactt ggtttgaaaa aacaatgggg ggccttactt 60
 ggggcccac ttggcaaaaa accaaaattg gcccaaattg ttgggttttg ccttccccct 120
 tattaataaa agcttttggg ttttaaaaaag gtggggggggc tttttggggg aaaaaggcac 180
 ttcccttttc ccggttattt actaaaaaag ggggcccatt attggttatt ttaaaaaaac 240
 ccccataaa agcccttgtt aaccattggg ttttaaaaaa acgttttttt aaaaaacctt 300
 ttttttccgg ggggggaaaa gggcccagat ttgggaaac tccaaattgg ccggtttttg 360
 gagaaaaaaa gatatccttt acttccgaat accaaaaaat ttggtggggg gggcgccca 420
 caaggaataa agggattttt ttaaa 445

<210> 41941
 <211> 512
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910029d01d1

<400> 41941

gaaaattcta ctttcttatc tttcaagcaa aattcccaaa taggtcgaac caacaccgat 60

gcaaaatcct atggataaaa aatacaccca tgcaaggacc aaataacaga agtacaacat 120
 tcacggacaa aaccacaaac aaaactcgac aaaacttaaa tctaaagtaa cattgttcat 180
 atgagaaata aattcggcta agttcaaaag taagttaaag agttcaaaca atttaaagct 240
 tgtcttcaaa ctccggagaga ggagtcattt gttccttcaa gcccttcctc ttgcggatgt 300
 cggtgacaag ctgtgcagct tgtgatccag tctccaatgg gtcagaagac atcatgtccc 360
 agtgatcaaa gacacattgt gggaaagcct ggctgatgt tgcagccctc aatgtgctcg 420
 agaaacaaaa ggactcaatg acagggaggt atgctttgat gttgtaaagt ggggtaccag 480
 gcctctgcat ttcctcgaac acatgtccac gt 512

<210> 41942
 <211> 541
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910030a01d1
 <400> 41942

actaaattaa atttattaat ttaacatcaa catcaacatt caggcaaaaa ttattaactg 60
 tgtattggat tatgaaaata gagagaataa aaatagaaaa aaaaaattta cattgaagtc 120
 ccagcatgaa actcgcttgt gcataagtga attgagggaa aagaagcttg ttctcttcaa 180
 agcttttttag aggatggaaa caaaacccaa cttaaaattt acaatttctc gactgctaca 240
 acagcaacca aaagttatgg ctgctgatt ggatcctctt cagatgtgtt actatcaagg 300
 gccagaattt ctccgcttgc attagtgttt ggatgttgat cagtagcttc ccccttcaac 360
 tccttctcac tatataaatc attctgaaca ggtacattta tttgttgctg cgatgaaaga 420
 acatttgcca tagccttcat agcagcagaa gcctcgttgc catcaactga atcatctagg 480
 tcaacaccat taacattagg tttcttagac aagtccttct gcctaggagg gggaacaaaa 540
 a 541

<210> 41943
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910030a02d1

<400> 41943

ctctcacagt tttaagatca tattaccata atcttacatc ggagcatcat tttaaataata 60
 tattttcttct gcatagcaat aacaaaaaaaa tcaagtaaaa aaatgagaaa ttaaaaatca 120
 tcatcgcacg ataatcatca tcagagacaa agcgcggtgc ggcgtagatc atcatccgcg 180
 gcagcatcat caaacggcag cgcgttgaga tcaaacggca agggagggtcg aaacgacgac 240
 gaaacgatgt tgtcgtcgcc gtcgtcaacg acggaggagg aagagtcgca gtcactgtgg 300
 cagtcttcag ggacaagagg gggagtgcgc gggatatctcc gcgtagcagt caaaaacggc 360
 gtcgcagttg tggttgtggt ggtagt 386

<210> 41944

<211> 360

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030a03d1

<400> 41944

gcgggattga aaaacctgac cgggccatgt ttaggttgga attcattaat tttttaaaaa 60
 ttctacagga cccaaaacga tggctttgat ttaggacca ccccttaat taagaaaaag 120
 aaaagccttt aaagagtaaa aaagaaaatt ttttattgct ttttaaaaaa tgcccccccc 180
 cctcaacctc ataataataat cgtaaagccc acccagaaaa tagcggcttt ccacaaaagg 240
 gcccttaagc cctgttagct tttttggggg agagcccgtc ccccccttta tatagtcctt 300
 ccccaaaggg ggcccatggg ctctggatat accacgggcg tgggcggaaa aaatgaaaac 360

<210> 41945

<211> 346

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030a04d1

<400> 41945

atcaaaaaaa taccgattct cgaaaaaacc aggcgataaa tattctttct acgagcggaa 60
 agaaaaaatg tgccggtgcg tgccccatt ttttaaaaaa atacaaaatg caactggtca 120
 aaaatcattg tttggccaaa aaaccttggg ggggttaaaaa aaaaaccccc aggttttttt 180

gtaaaaaaaa atttcactt taaaaaaacc cccgggccag cgaatttcaa aaggcctgtc 240
 tgttgaccat tgggtccctt ttcccatgg attcaaaaaa aaactcctgg atgtaaaaaa 300
 aaaattctcc ccctttttta aaaaaccact aaccttttga tttcta 346

<210> 41946
 <211> 537
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910030a05d1

<400> 41946

attctaaata tatatattct aatgatacca gaatccaaat ggcagaatct acaaccttat 60
 cgatacaata aacataaaaa ctactgaaaa gaattctttc taattaacaa atccatcaat 120
 tgtgtgctaa gcacgcataa atgattaaat gtaaaaggcc agcagtaaat atatcttgac 180
 gtgttaccag aatttttctg ttgatgctga ccgcaaatta caacaaaaaa tgaaggagac 240
 aggctcattt ccatatacat acagggtttg ctattatgct tatttcaccc cttttccttc 300
 attttcattc agaatccgat ttccgaaatt attaaccata agaggcaacc cttctctcag 360
 tgggattttt ggctcccaga tcatcagata cttcgctttg ctaatatctg gcttcctcat 420
 gtgtggatca tcagcagtat ttggtttgta ttctatggga gcacttgaat caattgtttc 480
 ttttacaacc tgagcaagct ctaacatggt aaactcccca ggttacccat gttgaaa 537

<210> 41947
 <211> 512
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910030a08d1

<400> 41947

cgcacaagta tttagttctc agggctacca acgaaacatc aaaatttcac aaaccaaaca 60
 ctgcctcaaa aagacatgta caagcccgca accagccaat gcatgaccaa aaatgtttgc 120
 ctaaaatttg ttggaatata aaatgctaag atttaaataa acgctacttt cagaaaaata 180
 attaaaacat ttctccaaaa acaaggcat tgaaaaataa atgcaaatac cttttttaaa 240
 tgcacaccag cacaacctgc aaaactctcc cttttgtaag cactgggaag tagatgcctc 300

cttagattca gttatacttt aatcctcatt ttgactttca tccttgacaa gcttgatcat 360
 gtcacatcaatt cgaaggatgg taatagcagc ttcagttgca aactgaataa tttttacttt 420
 gctcattgca ggctcaatga ctccggcctc caagttgttt ctgattttcc cttgcgaaag 480
 gtccaaaccc atacttgata aatgtttctt at 512

<210> 41948
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910030b01d1
 <400> 41948

atattcgaca ctccaattac tgattgggat ttgactaaat caactataaa caaccacata 60
 ttttgggtcaa aaacaagaac cacggtaaca cgaaaccata aagaaactcg aactcaaacc 120
 acaacaacta aaaatacggg gcataatcat aaaccctaatt tgacgacatc aagccttatt 180
 ttctccagcc tccattacca ccatcaccac cacgagagta accacgggtct ttgccaccgc 240
 cataaccacc accacgattg tatecttctc ctccgcccgc gccgcccgtca ccgcccggact 300
 gagcttcatt gacagtgata ttacggccgt ccaagatctg tccattcatc ggtccgatcg 360
 catccttcat ggactgctcc gaggcgaagg tcacaaatcc aaaacccctg gatctgccag 420
 tctcacgatc gttgataa 438

<210> 41949
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910030b02d1
 <400> 41949

aaaaaaaaa aaaaaagagc cttttttgcc ccggggggttt tttttgattt tgaaaataac 60
 aaaataacag ccggacataa aacggggggg gggccctttc caacttaaaa gcggggggata 120
 aatttggccc ttgacccaac acatgcccc cctaaaaaat aaaattttac ctttttcccc 180
 ccaaaaaaca aggcctttta tttaaattta aaaaaaaaaa agatacccc ctccttttgg 240
 tgaaaggaac cccaaccccc aaaacctggg ttgggttttt ttggggggcc ccaactttat 300

taaacaggaa cgggtggatg gaacccttg gccttgaagg gaatggcctt ctttcccacc 360
 cggggggaaa gggcttcaaa ccccccccca atgaaagggc ccccccaaaa a 411

<210> 41950
 <211> 347
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910030b05a1
 <400> 41950

ggggaaaaga aagccctatc tttttatata taccctgcc tgaaaaaacc acccaggggg 60
 ccaaattttt atttttgaag aataaggggg cattggggac tcgattaaaa aaatatttgg 120
 ggtctggggc aaccaccagt tttgggtggg ggtcaaacca cctctatatg gcaacccta 180
 gggggaaaac ctccctcttt ggggggaact tttttgggtc tccagctttg acccggtttc 240
 cataagcggg ggcctgcctt ccaaggggtg gtttaccaa tgggtcaagg gtggtagacc 300
 aaacagcatc ccccttaaaa ggtttgggtg ggctacaagc aaaaatt 347

<210> 41951
 <211> 208
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910030b05d1
 <400> 41951

acataccctt cacctgatca tacctaaatt acctatatta ccaactaaac gcacacaaac 60
 aaaaaatttt cccactttac atttcccaac ccagtgacc accacccttc accaaacacg 120
 attaaccta tccccctta accatacacc ccccataca cccaagtaat ccctaccatg 180
 tcatactccc ctttcaagat cccccccc 208

<210> 41952
 <211> 487
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910030b06d1
 <400> 41952

gaaaaacaat atattcctta ttcaacccaa attgggtttca tggcagataa accaacacga 60
 tgccgccttc ctcttactg gaccaccca ctctaacaaa agttctaaca aaaaaaata 120
 ggggttcaca ttttcaacca caaatgtgaa aagcctaaca caaaaaatca aaaaaaggaa 180
 aattaaacaa tcaaatccga ttgataaaac cgatTTTTgt ttttcctca ctcacttttc 240
 atttgatcat ctcaatcact taatacctgt agtgagcagg cttgtatgga ccctaaccac 300
 gcacactggt gtaataagcc tgcgacttgc taatatggac cacattaact tcaagtttgc 360
 ccagcagaaa tgcaatcacc ttcttatcaa ggtgctctgt caaaaacaca acctgttct 420
 cgtacttgcc gggactcttc tcttccaca actcaagctg aacaatgacc tttttggtga 480
 aggaaca 487

<210> 41953
 <211> 537
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910030b07d1
 <400> 41953

ggtgtgcatg aaatagagat aatatcaaag gatgcaacta ctagattatt gaaatttaat 60
 atatacaaaa aagttattga aagtaataac tcaaacaaga attgctccta ttcccaccct 120
 atacatatat ataagatgaa agcagtacca ccagagt.gag aacatcctac cattctttga 180
 caatgtaaca aaagtcttac aatctattcg aaaaatcata tgcgcagctg ttttcgcttg 240
 tagtatccag ctatcacttt aaaacattct aattgataaa actataaaca gagaatattt 300
 cctttaattt cctgtatgct gcaacgcagg ggactgagta aaaaatggaa taaaccaga 360
 aaactcggaa aacgaaacaa tcaaaataca gccataagct cgggttgcta tcatatcaaa 420
 ctcatgactt tgtaaccttg cttctcaaac actacgcagt atatttgaac tcccacgttg 480
 atgtcttatt caatgggagg gtcgaaaacc aaatcctgat cgcacacagg gcaagtc 537

<210> 41954
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910030b09d1

<400> 41954

atatattatt atacttcaca atcagcatgg gttttgtttg agactgaaaa taaccatatt 60
acattattat tattattatt gtaacaatcg gaaaacgagg gaaagggaat agaaaacaat 120
gaacaaccct tggcagttgg ttgcaccaac caaagtagcc acaaatcgaa atcctagaaa 180
aatcaaaagg taaaaaataa aaaggaccaa accctactta gaaaagcata actgttcctt 240
gttccttggt ccttggtcct tgttccatcc aaaggagagac aacatgcaag ttttgctcat 300
ggcttcacaa gaatggttgt gtctgcaatc atggaagtaa ccacatatgg gtccatgtta 360
gaagctggcc ttctgtcctc aaaatatccc ttccctgctt tctctgtgtc cctcccaacc 420
ctaactgaag ctccacggtt tgcaactccc catagaaggt gttgatgtca gcggtt 476

<210> 41955

<211> 447

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030c01d1

<400> 41955

accactggaa aggggggctt tcgaaatfff tgacccacac aatatttcaa tcaaacagtc 60
cccttcagca ccggtgacaa agacaacaaa acaactctga agccctgggg atggaaatat 120
gaagcttttc ggggcattcc cctatgttct tgaattcaga agggaggatc tacaaagcat 180
tacacacttt tttttgcatg cagcatatgc aatacgatcc gacatttata ccattttgtt 240
ggatgctaaa agtaggtacc ttccggaggg tggacaagct tccggttatg aggagcagcc 300
atttccttct tcagctgggt cagtatgtcc tccatggggg actctctttg ccaatttgca 360
agaagaccaa attttttttg gtcaaccact ccagtttcat gattaacaca agtcatgttg 420
actcgtgaat gaaaccgaac acttggg 447

<210> 41956

<211> 429

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030c03d1

<400> 41956

<400> 41958

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gcccttacaa cttacaagga tgattttata aattatataa tagtaatggt cgtacattag   60
ttgaaatgat attcatacct gtaaacaaca tttttattca accaattcca taattttaa   120
gtacaaaagg tgttacatac aaaaactaga aaacaataga cattgccaac tattaatagt   180
gactacacct tcatatccat ttcattcttct aggcaacttc attctcttca ttctgtactt   240
ggacgtggaa taagtgagcg tggcaccaaa cttttatact ataatttgct ctttttttaa   300
gcgcaaatgt acagggtttt ggtcattacc tccaaaatcc ttatctttta gcaaaggatg   360
cttctttggc acgacattat gcgggtttta tggcattgaa ttgctactaa ctgtgtgtgtg   420
gctgctgttt ctaaccacag gtacatcatg a                                     451

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<210> 41959

<211> 574

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030c11d1

<400> 41959

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aaaaattgca tttcacttgg aagcaagtat aggataagta ctggaaagta tcttccagag   60
taaaagataa catgaagcta actatgcatt ttaacatgca atcccttata ttacaaaaag   120
aacaagacct accctacata acaaattattg tctgtaaaac ctacttcctt tcatgttaca   180
ccccattctt ccatcttaca gctcctgtcc aaccatccaa ttgagttcct gatcttcaat   240
ataacgccta atgtgtaaaa ctagtaaaag taaaaaggat tgcagccatt atggatcatca   300
gcaaaagaaa aattaagcaa gggaacagga aatgaagaga atgaacagca aaaaatacac   360
cttacaatct tacaacttgc ttgtacttta catgataatg caciaagctt tagtgagaag   420
aaagatcagt ttagttagaa gggaccatga tcaccaccta ggacttgtca tggggaaaaa   480
acctgaaaga gacaaaggaa acagccctgg cgaaagtgga ggctgcggcc cggtgcctaa   540
aattcccgac tgtgcaaggg tgacaaaggg aaat                                     574

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<210> 41960

<211> 566

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910030c12d1

<400> 41960

ctcaagcaag ttgcgcacgg acatagttgg attatcatcg ggggattttt atatgcgctt 60
 cagagatcaa tttctgcata taaaagagag ttcattgttg acaacgatac tatgttgcca 120
 tcaactgttcc agccgctaata gatcacaaga cattcacatg aaacaaaaag gcgattgtag 180
 ttataaatca aatgggtcaaa gattacaata aaattaaaac aacaaagcaa tggtagtaag 240
 agcaccatcg cctttgatca tgtgtttgtt taattaatca ttggccgtcc acatgttgtc 300
 atcatctcca tcattgtaaa tgctctctgc cttttgccag acatggaaaag aattgtcttc 360
 agctacgctt gtgataaccc atggctgatt tctgttccat gaaaaatctg atattttccc 420
 tttgtgacct ccatgagaga agagtagttc aggggggcca ccttcacat ctccttctat 480
 ctgctcatca ccaactctgt taagggtcca aaccatcagc cgtctgtcag caccagaaga 540
 tgccaacaca ttctncatga taggat 566

<210> 41961
 <211> 381
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910030d02d1

<400> 41961

ggttagggca actacactgg cttttgattt ccaaaattta tttgcttaat aaaaaaaagc 60
 cgaggtgaag ccttacatta aattacatcc ctgaaacatt aaaactcaaa atccttaggg 120
 gatgtgtttt aggggggggaa aaaatcccag aggggggttg tcattttcat ggcatttttg 180
 gtttggggat tggggatgtg gaaaacatga acctcgccct ccactttaaa caattccggt 240
 ttaccttgcc agccactttt tttacaacc ttattttacc caacccccct atcctttatt 300
 aaaacctttt cagcaacgca aacaaaaatt ttaaaacacc ccagttcagc caagcttggc 360
 gcccgaataa ccattggatt g 381

<210> 41962
 <211> 442
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910030d05a1

<400> 41962

attccataac ataaataata gtcgaaaatc ttccactata tatagttagc aatgaaacct 60
tattattccc attaccctaa aaccaaactc accaatatag aagaaatatc aatacccaaa 120
agactttgca ataatagtca aattaatttg acaatatcat tgtctccaaa gtcaagacaa 180
cttaggtggt aattaaccat ttttaattat ttggtgcaaa gttcacgagc aactccaagc 240
cttgaattgg gcacgtcata gagcacacgg tgggttttgtt gctgcatggt ggcaatgaca 300
ttgagcactg agttcacgtt atcaggagcc gaagccatgg ccaagcatga ggtgctgcca 360
gcagtgtgt gtatgagaat gttgtcctgt ggcagcgtca cgttcatgcc tgagaacatg 420
aatgtgatgg tgggtgcaac ta 442

<210> 41963

<211> 506

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030d05d1

<400> 41963

aaggcttact caactccaaa aaaagtatcg gggattttgg gcctagaaat aaacaggcag 60
gcaaataaat tttcaagaaa atgattctgt agataccaaa taagatagtt tctactagt 120
tagccatgag aaggcatctg caatgaactt tcaatcatca tcttcatcat tatcagcagc 180
agagttgaga gctgccacac gtgaaatcaa cttagccttc ctctcctcat atgtcagctt 240
ctttaagttg tacctcttgt gctccttcgg ggtctgctta tcagatttct tgagagtagg 300
atcagcccgg atggcagcat gaacattttt atacagtgcc tcaataccat cagcttttat 360
cccagcttg atgtattcac tgaagtgtga ctggtatttt tctggttcat cttccgcaa 420
gatcttcata taggcagcaa catgtccacc aaaaacatat tttcgatgaa cctttgcac 480
aagcttcttc ttttcttacc aaaccc 506

<210> 41964

<211> 477

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030d07d1

<400> 41964

atataagctt gatcttcggc aaataaaggg aacgaaagac gagggccttt gttcaaata 60
 tgcgtacaat ggtgtagaca tcgttcataa aaacaacaaa atatgacaat tctcacttac 120
 agtcaaagaa tattggatga tttgttagtt gagaatctaa acatacaaaa ttacacacg 180
 agcaacctat tttctttggc acaaactatg atttttgttt tctttagttt acaaaaacaa 240
 tgtatacatg agaatctctc atctgatcat cggttgtgac tatttgttct tgaaaaaatt 300
 gaaatcccat cgacgcatta agccatccat gacatggcct gcgggattcc taacaacagt 360
 tactgtggct ttcgtgttat gtgatacatc agtctctgat gaactttgta aactagcaga 420
 actatcgcta ctagcagaac cacttgtatt gctggactca gttactgatg atgtgtc 477

<210> 41965

<211> 522

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030d08d1

<400> 41965

cattgaatgc cacagaatga atggagggaa tcaccatata caagttgaaa cgaaaaaat 60
 tataaaaata aaagtaaggt aaataattaa cactgaatac aaattgggtc ttggggatga 120
 ggtaactta tagagaaaca cagactccaa cttcagtaat gacaatccac caagaagac 180
 tgcttagaga agacaataac gtttttttct ctttctgtaa acgaaaactt ggattctcta 240
 tgatcatcct ctggtagtgc tggaagattc aagtccaact tcaagggttt cttggcttct 300
 tgaaattcat tgttaccacc aacaccaaca acatttccac cactcataga agttgctaaa 360
 gaagcattca caagagttct gtggcgctc atgtggcccc ccaaagcttg cctgatgag 420
 aattcagcac cacagataga aactcgtga accttagcct ttgttgttgt tggttgtgtg 480
 ctacacatat tattattaac cccatttggc attttcaagg ag 522

<210> 41966

<211> 383

<212> DNA

<213> Glycine max

002220 "CTT" 09E31T2560

<223> Clone ID: jC-gmro02910030d11d1

<400> 41966

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aacccgatac atcaatgggt ttatttcaca caaacaactt aacttacacc tccaattact 120
caaccattct caaatcatac aattcaactt cgcgaacca ttaaataaac accctacaaa 180
ttgtacatct cttaccttca caaaagacaa aattattctt atttgaatac actttctaac 240
ttaatagcac actaatgcta tataccattt ttctctacaa aaacaagcca actaaacaac 300
cttcaaaacc ctgcgtgcaa cgaaataaac tttttcttgt cttgccataa tatattcata 360
ttgcacaaca tttactaaaa cac 383

<210> 41967

<211> 486

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030e02d1

<400> 41967

cacaaataac atcctgttca tgcggtggcg tcatgataaa aacatcacag gggttgttga 60
acacagttat tttttttatc aaattaagac acctcccttc cctagccctt cataacagaa 120
acataatctt acccagaaaa caggaagtga aaagcaaacc cacaaaagtt ttcatagatg 180
caatccattt caatatacat tatccaaaca caaatcagcc catggcatac ttctgggtcc 240
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gaacaagtgg atcatcagga tttggatcag tcagcaatga gcagatagaa agcagtacct 360
taaagatggg gagtgcaggg ctccactgct ctttcaggat atcaagacaa atgctaccat 420
tgctattgat gttcgggtga aacaccttag tcctaaagge aaccttagga ggcttgaaag 480
gataat 486

<210> 41968

<211> 316

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030e04d1

<400> 41968
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ataaattaca aagcgagatt gtcttcatca cgaagggtgag gtatagcaaa cagatcttag 120
cactctcata ttccattaag agtgacaaca actcttcgtg aggtaggatg atcccgatgc 180
tcgcagagcc atataccctg ccatgtcccc atgttaagct tgccatttgt aatcggtatc 240
gggagtgtac aaccaaacat cgatgattta atatgagctg gcatgtcatc tggccccctt 300
agagtatgct tccatg 316

<210> 41969
<211> 208
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910030e08d1

<400> 41969
aacactaaat ctcttaacac attaaaaaat aaaagtcctt atgttattat ttaaactaca 60
tacccecaag ttccaccaaa ttactcaatc ttacaaatac catatcccct taatcacgta 120
taaaaaaacc tctccccaac atcaaaataa taatatcctc tatataataa agcatatcat 180
tgccccctcc caacccccaaa atattaaa 208

<210> 41970
<211> 358
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910030e09d1

<400> 41970
ggggggaacc taaacctacc aacgcctgga tcccttgaga acgacaaaaa ctttgggtatc 60
ttacacccca ccggttaatt gataaacctt cttatatattt ttttcttttc caacataaaa 120
ccttactaca aattctctcc atgcttgacc ccccaaaata acaattttta caaaaaaacc 180
ctttactaac ccaatttttt cttaaaacaa aacaactccc aattttttta ggcacactg 240
tctaaaaaat gacggccaca tttgggacgt cactttccct ttttcaaacc atcactacta 300
atttccaac cttttgggct cttttacaag tcttttttaa accccttggc gggggggg 358

<210> 41971
 <211> 420
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910030e11d1

<400> 41971-

ctgtcacaca aaggaaatgt atttactcca aagaaaaaaa tatacagagg agacccatca 60
 tgcttatgaa gaaaaaaaaat gataaaccat aactcctgca ggcaaagaaa ttttaaccat 120
 ttctaccttc aaaatgagat acttttatagg cgagatgata cctgattatc aatgaccatc 180
 atgaaatcta aaatgaatgt ttccttttaa ataataaatc atctcaaagg aaacatattg 240
 ttcaggactc caactacaaa tataaaaaga ctttcaaat accgctttta agaaagaggc 300
 aaaacctttc aacatttaaat ttgcccttgg ggttgcccat tcaactttta ggatgagatt 360
 gtcataccca taccattga gtttggttaat agctctctgt gcattctccc tgttgacaaa 420

<210> 41972
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910030e12d1

<400> 41972

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 tcaatatatg atcgttatgt atgtctgtga tacacacatt tcaagccatg atactcttac 120
 gtgatttaca gaaactttta acttatttaa tacatcatac caacccaact aggagcagtt 180
 tttattatac aatgacactt atcttttaaac tctgaagcat gacacggtgg ttgacaccag 240
 ggaccatatt cttatgcaat atatgccaca tctggataag actcacaagt tgccacacca 300
 cacatgttct tgcccaattc cathttgaag tatgcattct aacccatac tttcttccca 360
 tgaatttttt atgagccaat atgggacgcc attttcaact ccatacccca cagcacggac 420
 ggcattgttc acatactgtg aagtgtacc gcagatgaca ctatggtaaa ctccattc 478

<210> 41973
 <211> 469

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910030f01d1

<400> 41973

gattgacatt tatgtgcatg agtaatgcca aaaatatcat tcaagaagga gaatgatgag 60
agtacaaaca atatacaaaa gaatgatgaa aaaggaaatt agaaaaatac atggcaactg 120
gtcatctgat cttattccac tctgagcatc ttctcctttc tttactctat gaaagccttg 180
atttctcctc cctttggcat atatacttct ctttatatgt ttctccttcc tcattgtgca 240
tataacttagt aattttctca acacttgggt aggtcagttg gaggtggtaa taaagattca 300
tttggtcctt taccgttgct cacaacaaaa gccatcttca gtcccatgt tgtatgaatt 360
tccaagtggc aatgcataaa ccagacacct ggattgtcag ccctgaatct aataacagtc 420
cacccccag ccgggactcc aactgtattt ttttcacacg atctacaag 469

<210> 41974
<211> 469
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910030f03a1

<400> 41974

ctgattcact cttcatttaa atgtgcataa ttttccatat gttgcagga tttgtacag 60
gatcctaact catttgtcta tcaatgccag tactcaagat attttatcta aagattcaag 120
ttaagggtggg aaaaatgac ctcagaaagc aggagtcctt gaggatgata ctatatagga 180
atgcctgaag ttcacaaaca tcctcacatc atgatttagtg aatttctaata ccttcattga 240
ttaggattcc atctatcaat tcagaacaat ccggtcttca tttatgcgct acatttatgg 300
aattagtgcg actgtgcctc cagtaggatg ttgggtggcca cattgacatc atttttggcc 360
tgactaggg cttgtctggc agaattcctg tcaaagccca tagagacaag ggtagtgatc 420
gagtcctccg ttggctctac tgcagcttgc attggaacag ggtagtttc 469

<210> 41975
<211> 423
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910030f03d1

<400> 41975

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acacaacggg gttaccatta aagggaaacg gagcgttggc ttacaaacac gggattgtgc 60
cctgtcgtat taattagaag ttccaagggt ccttatgggt ccactgcctc tccccaagta 120
aaagtaaaat gtctttgtta cagcatctat tttgcaggaa attacaatgt aaagagggtt 180
ccccagcgtc ccatttgttt ttacaggggt ggtttaagaa atcatgagca gagagtacag 240
gccataacac tcgtaacgaa taatgttaca acgactattt tgggttttta atggagcgtc 300
ttttaggaat tatgcactga aaccogtgtg cataaaactt caagaactag cagggatttt 360
gacacttgct tgtgctgggg ccctcaactt ttgtttttcc ctttttcagg gttgaaaaat 420
ttt 423
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<210> 41976

<211> 504

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030f11d1

<400> 41976

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cattgaatgc cacagaatga atgggagtaa tcactatata caagttgaaa ctaaaaaaat 60
tataaaaata aaagttaggt aaataattaa cactgaatac aaattgtttc ttggggatga 120
cgctaactta tagagaaaca caaactccat cttcagtaat gacaatccac caaagaagac 180
tgcttagaga agacaataac gtttttttct ctttgctgaa acgaaaactt ggattcttta 240
tgatcatcct ctgccagtgc tggaagattc aagtccaact tcaagggttt cttggcttct 300
tgaaattcat tgttaccacc aacaccaaca acattttcac cactcataga agttgcttaa 360
gaagcattca caggagtttt gtggcgctc atgttgcccc ccaaagcttg ccctgttgag 420
aattcaccac cacagattta acactctoga acctttacct tttttgatgt tgttgtttgc 480
tacacatatt atttttaacc ccat 504
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<210> 41977

<211> 407

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030g01d1

<400> 41977

atccaacgca aaacagtatt gaataaaggg gtaatcaaag cccaaacagt cataacacta 60
 attgaacaaa aacataaacc aaaactttta aataactaaaa taaaattaaa accgcaaatt 120
 aagcatcggc cttctggttag acgtagggtca agccgcactt gccgcagtag tggcggtcga 180
 agtggttggc catgaaggtg ccggcgccgc actcggcggtt ggggcactcc ttgcggagcc 240
 tctggacttt tccagaatcg togacctgt agaactgaaa aatgccgagc ttgaccttct 300
 tgtgcttggt cttgatcttc ttgggcttgg tgtaagtctt cttcttgccg ttcttggcgc 360
 cgccacggag gcggaggacg aagtgaagcg tggactcctt ctggatg 407

<210> 41978

<211> 393

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030g03a1

<400> 41978

ggtagaagaa aagacttaaa agtttgggat tatgatttat ttctctcttg ggggcaacaa 60
 cttgaaagct agaagactgc gagaccagat agcaaagtga tgcataagat taaaagctaa 120
 ggaaatctga aactagttag agaaaagccc ataacatgca attaactctg cactcaact 180
 gggggcattt acaacttgat tgccatacaa cataccatct ttttttttag gaaaacctgg 240
 aggggtccatg ggggaggccc taaatttcag ctccgaggct gcacgaaaat ctggatcaac 300
 tgaagctggc ctagcattgt gatctgcaga cgcaccacca agcctatagg aagttgcagc 360
 cccaccggga taccttgaag gagagccata cct 393

<210> 41979

<211> 482

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030g03d1

<400> 41979

cctccttatt ttttctttta ggtttaagtt tttttttttt tccttttctt cttttttccc 60

tttttttttt	tttttctctc	tcgaaaaaaaa	aaacaaccac	taaaccatta	tctctccccc	120
cccccccccc	caaaaaaaca	aaaacttttt	ttcccccccc	ccccccccca	aaatttaaaa	180
tattcattcc	aaaataaaac	cctcttcccc	cccactaat	atcaacctcc	ctaaaaaacc	240
tcaaaaaaac	cccccaaatt	tccccccccc	cccccccct	catacccttt	taaaaacaaa	300
cccctttctt	ccaaataaag	accctttaaa	taaaacctct	ttttcccatc	aaaaccttcg	360
aacacaaaac	cacccttttc	tccctctttt	tcccctacg	cctaaaaaaaa	acccccccct	420
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cc						482

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<210>      41980
<211>      432
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910030g04a1

<400>      41980
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aaggaattcg	ttatttaata	caacagaata	aagtgtatat	aatgcatcca	tctcaacact	60
gcaaagctat	gtaaatgcgt	cactactaca	ataaaattaa	aacagacaat	tcagaaagat	120
ccaaatttga	caacctatac	tatatcaact	ctgaggagac	gttttagcag	cctgttgaac	180
aggctgtgca	ggtgctccat	cataggctcc	acgagtagtc	ccacctacat	taccatcgct	240
ggaatatact	ggaggctgag	cgtaaccagc	agcaccataa	gaactgttgc	tgtacgatgg	300
aggagcctgg	ccataaccag	gttgaccacc	tgctggggca	ccaccatatg	acgggggacc	360
ataccctggc	tgcaactgcac	caccataaacc	agatggtgga	gctttttgag	aacctgattc	420
tggttgggca	ta					432

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<210>      41981
<211>      430
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmro02910030g04d1

<400>      41981
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gggagcacag gaaattttgg tttttattac aagagcatga tctaccagca aagttggaaa 60

tatgaataac aatagagccc ccttttttcc aacacacata caacaaccat tccataaagg 120
 atcacacggt ttagacaga gaccacatgg gttagcataa ctaatcaaaa aacatgggggt 180
 agcataaata atcaaacccc caaaaataaa tgatacaaga ttcttccttg aacaagacaa 240
 gattcttagc tttttataaa tgcacaaggg ttcctgatct ttccttttgt ccctgtcttt 300
 acattaattc ttcccathtt ctogatgggg ggtgcaaact cagcaaagaa atttttaact 360
 gacccttcaa gcaattggat gatttgtgcc tttgtaactg ggtagtcaa taatgcagca 420
 tttgactcaa 430

<210> 41982
 <211> 527
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910030g06d1
 <400> 41982

gacaggaatt ctaatatcct gaactataca catgtacctt gagagggtta ccaacactgc 60
 ttccactgtg ttttaagtaa caatgggctt accaagcttg tttcgtctaa aactccaatc 120
 tgccgattat tattttgtgc tttaacctct tgctcatctt tgtacttaca aaccattttt 180
 ctattgctgt agcaatttaa tgcttttcat cctaaacctt gggtgaaaat tcctccacc 240
 taataatgat tgactcttac ctcaactttc tttggtttaa caaaaaattc aatatgagct 300
 attctaactt gagtgctgat atccaacact attcagcata tgggtgtgac accaaccgtt 360
 ccttaattga aaccaatgc tggactttta ccattctact cttcctcatg cataagtcac 420
 ttcctttact aactgtaaaa aactgctac gcctataaca agttgtggct cttatgaacc 480
 aaatattttt ctcttaagaa accgtatcac ggattaaatt tttactt 527

<210> 41983
 <211> 589
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910030g07d1
 <400> 41983

ccaaacagca tttgtcactt ttttatatag cctccgctaa agtaaaagt agaaagcaag 60

tgaattaaga aagaagcaag gtcaaaacgg gaaaaactgt tataataaga aaaagaacac 120
 tactttaaga gttgctttca ataattagga caaatcaaag agcatccctt caacacagtt 180
 gaaaatgtat tgcaacaaaa caactcaatg gaggtaaaga tgaagctctt ttgagcattc 240
 cccattatgt tcttgaattt agaaggatca agagtaatac atactatata ttgcatactg 300
 caaatgcaat atgatccaat atcggtatga tcttggacac taatagttag taccttcagg 360
 aggttggaca agcttgcggt tatgtgaagc cgccatttcc ttcttcagct gggtcagtat 420
 atcttccatg gtaaacctcc gttgccaatt tgcaagaaga ccaaatttct ttgattcaac 480
 cactccagtt tcatgataaa cacaagtcatt attgattcgt gaatgaaacc gaacacttgg 540
 gggcttttct gggtaggtct tatcacaac aacttcaatt gataaattc 589

<210> 41984
 <211> 506
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910030g09d1
 <400> 41984

gcaattcatt tcacagagtt ggagtctagg ggctgtgaat aagcagaaat cagaatgatc 60
 atacaaccac caccaccaca gaagtaagaa aacagataaa attttgtttg ttgtatgtta 120
 cagatccgat ccataggggt ggggtgggagg gtgggtgagt acatgacttg aaggaatcaa 180
 actagtaacg gtacttggtg gagtaatctt tgggagcgat gacgagaccc cgtcccttcc 240
 tggctccacg atagacgggc tcaacaatgt cgatgaactc ctgcttgtcc ttgagagccc 300
 agttgatctt gttgttggtta ccggttccga gatcaatcat gatgtgcttg ttcctgaaga 360
 agaacatcac cgtggaaggg tcgtagagct cgtacatggg gttgaaatcc ggcaccttcc 420
 gtatgtccac cagggtttatc accgcaaagt tctttattgt ttctgccact gacgccaaca 480
 cctcgttcat ttggatgcaa gttcgt 506

<210> 41985
 <211> 83
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910030g12d1

<400> 41985

gagagtaggt tttttgaaat gtgtatcccc tcgatatatg cttgtgggga gcatagttgg 60
aatacgatac agaataactaa ttg 83

<210> 41986

<211> 490

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030h04a1

<400> 41986

aactcatctc cattagatca cttattagag cgaacattgc agaacactaa actatctacc 60
atcctacact acacaacttt cttcaagatt gtgcagcaag gcacacacat acaccacac 120
ccacaccttt tcatatctac atatatatgt catagtttta actaaacaag acaaatatca 180
agccgcagca acggctgctt tccgggccct cttggtcgga gacctaatgg acttgggctg 240
cttgggcttc gcaggcgctg acactttctt cgtcttcttc ggccctacct tcttcgctgc 300
ccttttaacc gcctcggttt tcttcggagc agcggcagtt gcggctttgc ttcgttttgg 360
acgcgattcc tttttctcag cgttggcctt cgtcactttg gcggtgttct cttctctcgc 420
ggcttcggtt aacttgtacg aagccttgat cttcacgagt ttccctctcg cagcttggtt 480
ctttagttgc 490

<210> 41987

<211> 430

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910030h07d1

<400> 41987

atcaagcgtg tggagcacgg acatatttgg attataatcg agccattttt atatgcgctt 60
caaagatcaa tttttgcata tacttgggtg acattcaaag ccacctatgc tagcgcttcc 120
taaagtatat caccgcttga attcaacccg cgttcactgg aggaaatggc cctataataa 180
tcaatattgc aagggaaacg ccagccaaaa cgcaagttgc gtgcacacca tgcatttga 240
aattccaact gctcagatcc tacagcagaa aactagtcg tgggcacacc aatcagtggg 300

acatggtgaa tccttgatat aggtcggaaa cattttccga tcttgaaagg agaagacctc 360
 agctactggt gtcttaacca actactatat tatgaactga ggatcacaaa atgtaacacg 420
 tcttttgccc 430

<210> 41988
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910030h12d1
 <400> 41988

gaaataaaaa atacctactg aaatccaatg caaaaaaacc atttgggtca cagcacataa 60
 ctttatctga cgaagttcaa tgtacccttt tactggtgaa aagcaatatt cccacacaat 120
 ttataggatt aaacactaaa aacacttttc catcaaaact caataaaaag cagaaaatct 180
 ttaatcaaac agtcccaatc ccatatcatc atcggactct tctccacct tttcttcctt 240
 tttctcagca gccggggcag catcagctgc agcagcacca cctgcaggtg cagctgcaac 300
 agcaccaccg ccaccttcaa cgaatacagc accaccact attacctgga acacagcgga 360
 ggtaggagac acgggaaaaa aggaggactg gacttcaccg gaggaatcaa cggcgagagc 420
 ggcttgacg aactttctt 439

<210> 41989
 <211> 524
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910031a02d1
 <400> 41989

gaaattaatt ctttattttt ttacgcaata ataatggaaa taatgccacg gtaagagcaa 60
 gagagcctgt tacaagatag tgctgcctga tgtttaatct cacaagctgt gtggtctatt 120
 aaggctgtaa gcatgtcata ggttgacgtt tctgaatttg ttgacacatt atgcattagt 180
 tccaccttca accaactggt gaaaccttga aatgtcacat cttcacaact tttttcactt 240
 tttttttctt tctcaaagac ttcttctatg caatggaatg gatttctttt ggtagattc 300
 caaaagcaat atcagcaagc tatttcctat tagcttgaaa taagttgaaa atgtccact 360

ttcaagcctt ttaactcaat tcaactcagt gagcagtgct ctcctttctg cagctttttt 420
 cctgataaat atgccccacc ttaaagcagc tttgagctta agccacccaa caacagcctt 480
 ccctgaagac tttccctgat cctcgttgaa tgtctgatac atct 524

<210> 41990
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910031a05d1
 <400> 41990

gtcttgaaag actttgataa tttgtgagtt cccgcctcac tcataaatgt atcaaacagc 60
 accgaataaa gaacatgaag tttaacaatgt gtacgttttt ttttgaaagg gagaagaaaa 120
 aaggttcatg aatatgacca tgctaaataa tctgacacaa ataataaaca caacatttga 180
 aaatcatatc ttaacattga atgataatct tgagagggtt ttgatcacag agaagctact 240
 agctttttctg gcttaacttc ttgactattg tggccatgta ccttccttga tactcagcaa 300
 gggccagttc tgtttacta gcctgccttg atccatcgcc agcaaaaact ccagcaccat 360
 atggagatcc acctctgacc gagtccattt cgaacattcc agcaccgaag gtataaccaa 420
 taggaacata gagcatacca tgggtggacta actgtgtgat tgctgtccaa gctgtgggtt 480
 cttggcctcc accctgagtg 500

<210> 41991
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910031a06d1
 <400> 41991

atgagtattc tcactaatg aaggaaaggg gatgacataa tgcgtcaagc aacgctcata 60
 tcacacgggc aaaacaatta gtatcccatc caacaaaaat cataaaagt aaatttcaat 120
 aaaaaagcat caaataagt ttaaacagat aaatggatga aagcaactac acatttagtc 180
 cacttactca atcttggggc cagcaccact tccaccagaa ggagcagcat aatcatcctc 240
 ggctgcccc a gcaccagcac caccatgtc aggaccagca ccaccttgg acatcttggc 300

0053113.032200

aagcgcataa aaggttgatg tagaaaagat tttggtaccc ggctcattat gttttgttgc 360
agccactgcc ataaagattg taaagaaagt agaaccgct aaatggccaa aacgaccttt 420
tagacttggc ctagaccagc tttatgaaag atgagctcca cctcgcatg cttatgggaa 480
ttggacaatg aagactaagc gtttgaacca tcaaaactgt cctgcgcact ttgacgtctt 540
ttttct 546

<210> 41994
<211> 216
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910031a12d1

<400> 41994

agcccaaat attacttaa atgaaaaaaa accaccaaatt ttttaacaatt ttttccccac 60
gaaaattaac acgaggatca aaacttaaga gaatcaatga ggaggattag ctcacagggg 120
tactacaatt ttgggggcct acaaaagggg gcacattaac ccccttaaatt gggggagacc 180
acttccaat gtggaataga agattctgcc ttcctg 216

<210> 41995
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910031b01d1

<400> 41995

nagtgtccag ggaatgnna gatttctag tccacnntnn nagtttacgg ccaaatacgc 60
ctaataagaa aacaaataat tccaattcat atatgaacat ttttgcttctc ttatttcttg 120
aaaatgtgga attggaatgg cccgaggaat tccgatctca tttcctttgg cttcaggata 180
ggcctaataa gaaaacaaat aattccaatt catatatgaa catttttgcc tccttatttc 240
ttgaaaatgt ggaattggaa ttccccgagg aattccgac tcatttcctt tggcttcagg 300
ataggcctaa taagaaaaca aataattcca attcatatat gaacattttt gcctccttat 360
ttcttgaaaa tgtggaattg gaattccccg agg 393

<210> 41996
 <211> 477
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910031b12d1

<400> 41996

gggttaaagt tttaattcta tcattaataa acgaatgtaa atagagttga acaatagatg 60
 tgtagatata caattttaca actctttcct ccaagaataa atgacaaaaa gtactcaatt 120
 atcccaacac aggtaaagta gagagacata atttatagca attttgctct gtgggctatt 180
 tctgcatcga tcattgctaa tacaacgaga aactcgttca atgaggtctg gcgtgtgggt 240
 aaaaaaaatt gttattatag tcagaaaact ctggattctg atcactagca tgctaaacaa 300
 attttctctc agaaatcttg aggttgactg tgcagtaacg aaaactaaat gttgtaattg 360
 tagggataaa ctaaagggtg tcctttcact tgagccgaga gcatgaatga tgatgcatta 420
 taagatcact tgcttctctt tttgggttca ctgtagagta taacttccaa agactgt 477

<210> 41997
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910031c03d1

<400> 41997

aacaaggact gggaatggat taaaatggcc aaatgaaagg caacacaaca cagacggacc 60
 gagcatttta caagataact gggtcactaa aagttactat tgtttagttt tccacaatca 120
 taacccgact ttttgaacaa ttgactagct aaaaatgcag ccaaaatgtt gtccctcaaa 180
 aaghtaacca atttggactc agcctgctga atagaacca ccatataagc tgtagcaatg 240
 acatcaatgc ttctccatct tctctccttt gcataattct tcaagcttcc ctcaatcctt 300
 ttgaattggg cctcttcata cttctctttg atatgttggg agaaggccgc agctaggcac 360
 ctggctaaaa caatcccata ttttaaggca cagcaccctc cctggccaag gtctggagtc 420
 atgggggtgga aagcatctcc accaacacaa atattgcctt tactaatatt cccaaaca 478

<210> 41998

<211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910031c04d1

<400> 41998

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ctcattctat aaggattatt tgaatatggg gacctgagtt ctctcatgaa tccagatatg 60
cgaggtcaca cctacactct gtacattgta caagtcacta ctttaataca tataatcaaa 120
caatcaatat catgtcttaa aatgcataca tttcaaaca ttaagattgg aacaaagaac 180
ataggaagca agttatctaa aatcattcag cttttctttg gcattgctgc aagtctcgtg 240
tacattcttg ccatggattg atacctctta acatcgctg aacgcagaag atttcctgaa 300
tcacaattca gtgggctgtc aggttctgga tgggccatca aggcaattat agccctacag 360
acagattgaa gcgtccaagc cgggctccaa gcatttttca agatatctag gcaaattctct 420
ccagtcttaa aatgcacatt agggtgaaat attttagtca aaaaccggac ttgagggtggc 480
tgtagaggat actgctccgg aacagaaaaa gcaa 514
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<210> 41999
 <211> 516
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910031d05d1

<400> 41999

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cgctggcaaa gccaatatga tagggattgg attaaagatt ttctgttgta tttagtgttt 60
tatcataata cacacaggac cagtcagaat atgataatct aataatgcag agatgatgaa 120
gtaatgaaaa cctggagtat acaatactac aaaaacaaat tcactcgtca tccttgtagt 180
gatactcttc tgggacatgc ttgagaagtt ttacctgcaa ctcaaacaca tcatcaccgc 240
gaagcacatc acgaagccaa gttacctcag ttttcattga caccatatct aaggctcctc 300
tgatgactcc acttaagatg ttgcaatagt acaaaccttg gcagttgtca ggaagctcaa 360
caaaatctac caaaggatta tgctccaaaa caatactaca acatgttcca tnagtatccc 420
aattggtcac agatgcagta acaccgagga acatnttaaa accaaccctt gcaataacat 480
cagtcgtctt ttgaaatcgt tgcatttgga gacatt 516
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<210> 42000
 <211> 510
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910031d06d1

<400> 42000

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 aaaaccaaag atatttagtt ctgatgggca tacaaaacaa aaatctaata cgaaaatatg 120
 aatcataaag tttactgtga aacaccagc cacttagaaa agttgtcgaa ttctgtataa 180
 tcagaatctg acaccatagt gtgataccat gctttcccag cagacttgat ggcagaagct 240
 tcctccttag agacagtctt cctcttcttg tcgagcttct ccttcttggc cttaacgcgc 300
 tgagcttcag caagaagagc catcctctta gcagtcttgg cataaggatt cagcttcagc 360
 atagagttca gggtcttaag aggggtcttc ttcaacgtgg ccttcttcac atccttctta 420
 atgggcctca caacagactg aacctcgtca gaataataat cctggcaaga tcagagttaa 480
 ccatcttggg cctgggaagc aagtaccctt 510

<210> 42001
 <211> 551
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910031d11d1

<400> 42001

gaataaaaga tttgcaactt aatatatata aatattactc aaggcaaggt acattacata 60
 catagatgat gattaataaa gctataataa acaagaaaag atgaatactt aattatgaag 120
 agtaaaatca gaaatgacta aggatgcaca agaccgaaaa ggaacacttg aggaatacat 180
 acatggaaat tataaaaagg aaaaagaaaa gacacaaaag ggatacaaaa tacacccttg 240
 gacacaagca tgcttatcca caatttgatg catgacccta tggtttttggc cttatcctcc 300
 aaaccctcca acaattgtag ctgatgaaag gaaaaaacga aaaagcctaa attagggaac 360
 tgcagagaca gatcactggc actcctcaac atagaaatta ttattcttcc ggggaaacac 420
 cactcatagc tagccttggt ggcaaattaa ggtagcttaa ttgattaatt aattaagcgt 480

tgcttctgaa ggatccaaga gccttgatag ctgctgctct aaggatgtat tggtggtaga 540
atgcagccac t 551

<210> 42002
<211> 525
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910031e02d1

<400> 42002

gaatacaagg gttttttttt tttttcatta acgaagcaaa ctcggtccta ctagcaacaa 60
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cctaaacacc gatatacaac actaaattaa atatggaaaa taaaaaagta atctaagctt 180
tcttaggaga tttggtagcc ttggatggag atttaggttc cttggaagcc ctctcagtct 240
tcttaggcaa caaacaggg ttgatgtttg gaagcacgcc accatgtgca attgtcactc 300
cagcaagcaa tttcccaaac ttttcacgt tctcactgc caaaagcacg tgtcttgaa 360
taatcctgtt cttcttggtg tcacgtgagg cattcccagc caactcaagc acctcggcag 420
ctaggtattc gagaactgca gccaaagtata cgggagcacc ggtaccgaca cgctgagcgt 480
accttccttt cttcaaataa cggccaattc ttccgacggg gaatt 525

<210> 42003
<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910031e07d1

<400> 42003

aatgccggg ggtttttgca aaagccaaag accttaaaca aaaaccgccc gaaagcttac 60
aaaccaatcc caaccaagg gatctaccaa ctctaaaaaa aaaaaggga agaaaatttg 120
tttgcaaac tgggccccaa aaaaccttac atacaaatta acgcggggta aatttaagg 180
cccaaacaa ccctttatcc catgggtaaa aaaaaggga aggggagggg gattttgaaa 240
cctggggggc ccaaaaagaa aagcggaata atcttatgtc ggattttgac c 291

<210> 42004
 <211> 568
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910031e09d1

<400> 42004

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 atgcatacta aaacacgcaa tgatttgagg gtttgaacgg agacaacatt gtttatacag 120
 gacatgcagg ataacactgt tcaaacagaa tttggtgcac accattgttc aaacggtata 180
 tgcagtacaa gttctttacc ctgaccatcc cctctgggga ttatgcacat tcaaccggtc 240
 atgtacagag ttaaaatcta taggttgctg agtttctcc atcctctgga taatgcttgc 300
 tacatgattg cctctaaatc ccattgtcac aaatttctcg atcaaactcat tgtagggatg 360
 gctacgaata aattgtgact ggctaggact cgggaccata agattatgtg atgcagggtt 420
 gtgaagggat gcactagtgt gaggatatcc agcttgagca taatgagaag gttcangtgg 480
 ataatgtgct ctggcattct caccatcata cacattgtag gaactatgcc gaggacgcat 540
 ggtgtgcgtt ccactatttn catacaca 568

<210> 42005
 <211> 410
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910031e12d1

<400> 42005

agttaaaagg ggaaacctgt cataagaaag aaagagaaac aaacacggat gaagggtaca 60
 acaccctgca attacattac gtgaaacat acacagttaa aagggacat tattaatgga 120
 atggccaaaa cctaaacccg ggtattagat cgttgaatct ctttagcaac aaaaagcttt 180
 tagacttaaa ttattaaaac atggggtata cctactctta ataaaacaac aaagtgcgca 240
 caccactggc ggcaacaata caacaatggt tctgagattg caaaatttga tttggttctt 300
 gaaggaataa cattaacatt atcctaccag acacgtttgt gataacatgt tcaattactg 360
 gttggcaaat ttgattccct tttcaattga tgatttgagt tcaggcttaa 410

<210> 42006
 <211> 357
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910031g10d1

<400> 42006

gaacgtaaatt ttttattatt ttatgactat tataataaacc tggagctatg gaggatcaaaa 60
 ttgatttcga acactactag gacagaggga atacttgatt cggctgggtca tgccggtata 120
 gcggtacttg aaaatcacaa cgcattgctca caacttggca aacatgtaaa tcacagagcc 180
 ttacgctgcc tgatcatata aaatgccaaag taactatddd aactatacaa agtcctgtaa 240
 acaataacaa taatgcacca tttttacttt tttgcagatt tgcaaactgc gactgcacct 300
 taatcctgca tggctctcat tttcacactt tctaaatata gccatgtgcc ggtgtga 357

<210> 42007
 <211> 548
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910031g12d1

<400> 42007

accctgcgcc cgcagcctca tcgggaatgt tctcagaact atagaccac gtggggggac 60
 ccgcaccgat ggagaacgtg gccacgtaag ccaacaccat ggctatgctc gatccaacgg 120
 cccacattaa tttcctctcc gaatgatcaa taacagttag gctgatcgca agcgtgagaa 180
 gcgagagcac catgccgccg acactagaca ataacaacgg acgacgacc acgcggtcca 240
 acgtaaactg agccgccaag atgaacacgg tcttaacgaa tccaacggcc acggttgcaa 300
 gaagcttatg cgtgtcgttt gtaatcccag ctttttcgaa gatcctgggg ctgtacaaaa 360
 cgacggcgctc tacgcccgcac gcttggttga agaagtgaat accaaggga gcgattacga 420
 tgtgacgaat tgcgggctgt ggatagagga agagctcttt ccatacacct tcaccgttgc 480
 ttgtttattd accgtgaacga ccgtcgtgtt gcaactttcg gggatccctg cggtttgttg 540
 atttccgc 548

<210> 42008

[illegible]

<400> 42008

<210>	42009
<211>	508
<212>	DNA
<213>	Glycine max

<400> 42009

16776

<210> 42010
 <211> 544
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910032a07d1

<400> 42010

atgtaaaatc agttttaaac ttttaataaag tacaagtata atcgttttaga ggttctagaa 60
 aatttatttc cttgattttt ctttggtctaa caatccaagg cagaagattt cagttcaaag 120
 attttaatca taggaagtgt acacattgac aagttgtatg ctggcaaagc tttgccatgg 180
 tcattcaggt aaactttgtc acttcatcag agatcataac ttactaggaa taacttcctt 240
 agaaatcact ccactttttc cagaattgaa aatgtccttt ctttcagcaa taaacttttag 300
 caaaccgaga acccttctct ttatttttat tggctgtaac agactgaggt ggatcatgca 360
 taggatgagg attaggatat gatggccgca tcaatgccca tacagatgaa aggtattcgt 420
 tcggttcac tagaatccgt agaagtgata aatcctgcat ggcttttgag aatttgaaga 480
 cgggtgccaa agcagcagat ggaatgctaa aattaagatg aggtattact gtcctccac 540
 tatg 544

<210> 42011
 <211> 572
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910032a08d1

<400> 42011

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 agttgaaggg ctattaattc cacactttcc aaataaattc tttgaagtga acagaagagt 120
 tcaaagagct aaacactaca aatatacgca tttactttta caaatgagtg aacgataaac 180
 attatcacc taacgagtaa acataggaaa cttcaaactt aactacagtt tagtggagaa 240
 gaataatata atatcatgta tgtatgcgac aaactaggca agaaatgttt attcatcata 300
 tcagcaccat aatccatcgt tcaaaccttg gacgtaattc tgaacgagta atccaggaaa 360
 agataaaaaa agaacaaaat cagcagctcc atcaaaagct tcaacttttt atcactcatc 420

tactctattg tgtgggaatg gaaccaccag cagccttgat ttgttgctgc agactgaata 480
 agtactgtag agcgttcttc agtagagagt actcctgttg caactgtgat agacatctca 540
 tacatccttc ctggttctta gcctcacaaa aa 572

<210> 42012
 <211> 484
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910032a11d1
 <400> 42012

ataaaaatag tacctacaat aaacaaaatt ttatttcgaa tatgagaagg ttggtgtctc 60
 gaaattagaa aacactagca taaatggaaa gaaaaagaaa gttcaatctg aagagagaaa 120
 ccacgcggcg tacacgagca cccattccgc cattattgag tattccaaac caaaagagag 180
 ataagttaat aataataact aaagtgcatt cagcaaatac caaggcatat cggtttggga 240
 cttgcattga ttagaacatg ctgtgttccg ggctggaata tgcaaggaac gtggacttgg 300
 ctgaggagct aaaccattg aagttagtcc ccgacgacgt cgaatatgca cccatgttcg 360
 ggaacactag ccaatcgttc acttgcagtc ccggcagctt ggaatccctc agaaccgcat 420
 taatagaatc gcacgtgggt ccaaacacgg tgctagggta agtcttcaaa atcaattccc 480
 tgct 484

<210> 42013
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910032b02d1
 <400> 42013

aaggagggga cggcatcctt ttgttgaata atgaccacat acagggatag gttttgataa 60
 tggggacaaa caaaaacaaa aacaaaaaca ccgggggaga gggaattatt gggtttttgt 120
 tgaataataa ctaaaacata aaattcaatc taaaactgga gtattaaaca aaacagggga 180
 aggcaccac catttattat gttgggaatt ttttatgaca agccatccat taaacaaaaa 240
 aagaagccaa gcgtttgatc atggccttag caagaagagt cttaggcttg aaaagctgga 300

aagtatgctc cttatcccca gcataaaaga gttgaagttc accttgccag ccaatttg 358

<210> 42014
 <211> 368
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910032b05d1

<400> 42014

aacccccaaa aagtcacaac tttgaattta accaaaacac gggaaattta aggggggcaat 60
 gggggcccccct gggggactag gaggggatac tatgggctat ggggtgttaaa aattgctgct 120
 tgatacaact tgttttaaaa aggctaaggg gataccaaaa aatttattgg acaacaatat 180
 ttacacttttg ggaaaaataa cgctgtacaa tggggctaca actcaatttt tggggcttta 240
 ttaacagata tcggctttga aacttaaagc cttttcaagc attcgaagtc cttaaggga 300
 taccgccata atgagatata acattacatg ggtatcacca ttgctttttt cccttttttt 360
 ttttttttg 368

<210> 42015
 <211> 401
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910032b06d1

<400> 42015

aggacaccag cccatttatc ccattttcaa aaaattacaa aaataattta caacctcaaa 60
 taaccatata ctttcaaadc gctaagctat ctaagaactc aaatgggtct atgcagggga 120
 taaacctata ctagaggaaa attccttttt tttttacact aagatttatc actactcccc 180
 aagaaacaag cacatgggtt agaagaaaat atgagagaga cccatataac caatggcacc 240
 aactatgatc ttatcccctt ttcgatggct tatttaggcc acaaagtctg ggagcaattg 300
 ggcagcaaac ctctttgggg tctggatggg gatgctctca aatgctgctg aagagtgaga 360
 agtggaaatta ttcaatgcac caaactgggt tggttcacca a 401

<210> 42016
 <211> 518

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910032b07d1

 <400> 42016

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 cacatactat cattctcgat gataaaaaaa taataataat aataatacta tcatcatcct 120
 aaccggtcaa aaacaaaatt aataacaaat attaattaat taattaatta actaactaac 180
 taaaagcttg ctctctttag ggaagtaata gtaacggaag aaccaaggga agaagttccc 240
 acttgaatct cgaaggaatc atagcgaaga aagaactcca caacgaaaag cctcgaaacc 300
 aaggtgacga agtcttttcc ggcgcatcgc ttgttcccaa gtgttgagga ctgagtctca 360
 ggcccattgg accacagcac gtgcttgagg agcttctccc cttcctcccc gacgaacctg 420
 tccccgacaa actcctcggc cctctcgaag atcctaggat ccttcgtcgc gaatgtntgg 480
 taccgaaca gcatctnccc ttccttcacc tgaaacgc 518

 <210> 42017
 <211> 296
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910032c02d1

 <400> 42017

 gtgaaaaact aaatcatgct cgagcttctc aaattggctc taaaacagct agtggctgga 60
 aaacaacagc attacaagaa tccccagaag aagggggaca acagtatttg tgcacttttc 120
 atttcacgt gaaatatgtt acaagaatcc tatgaataga gttacaatt tttatctttc 180
 aagagaacag ggaaaactgc aggtagtttc aatcaacagg gacttcaaca tccattttta 240
 ggtcagattg accaagaacc ttaatgaagt catccaatgt caagtaggag tccttt 296

 <210> 42018
 <211> 569
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910032c03d1

<400> 42018

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aaacaagaaa gattgcagat cccagcagat tttataatTT cCGttcatct tcccaaattt 60
tttcacactt taaatgcatg atgtacctaa tatacaaaac aagacatgca aataaaaggt 120
agaaaacacc accgaaatcc acatttcgat ttacaaaaaa ttttactggc cagctgatgg 180
atTTgtcagc aactcaagtg atttcttcaa gaagtctact gcaactgaga catcatcaaa 240
tgccagtgcc ccaacggcaa atcttgcagc cttgtgtgcc tctgctatTT tttcaggtgc 300
tggtctggtag ttactgtcgt actggtatgc ctgagtagtt gttggcttag gttccacagt 360
ttcatttctg ctactgtgtt gagcacttga tgaatggttt gtagttagcg gagccgactg 420
ggaagaatat gaaacatctg atccttgata atgagtatag tttgatggga ctgatggaag 480
gctgctttct gtaaaacttg gataagactg aaaatgggga taagaataag aggaagtttc 540
atgagaaggg tagttaggac ctaaattgct 569

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<210> 42019

<211> 569

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910032c09d1

<400> 42019

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attgatggag acccttatag tcttttacta cactgtcttc tcacttcaaa atacacatta 60
aagaagccat gactaatatt ttaccgtgtt ccctctttcc agcaaaattt acattaattc 120
tagctaactc gtggaaatgg ttggttccat ttcatgatcc ataaccttca atctggtgtc 180
aaaaactatg gagtatagaa tacaatacat tacttgteat tgactcctat tttcttttca 240
ctgccgtctt tgctaataac aatcccaacc aatttacaag gctcagcatc ctcaagtttt 300
tgaaccacag ctctcatggt tggctctcaa gctggaagag tccccgtgca caaaactgca 360
gttctcaaca ccttacaagt ttctctgta tacatctcgg gaattctcga atccaccgca 420
ctcctaagcc cctctttgct tcgtgccttg ttatgaaccc agctcactat gtccttattt 480
tccccaaact cgggttcaat tggccttttc ccagttacta actccatcaa caccacccca 540
agctgtacac atcactcttc tcgttcacc 569

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<210> 42020

<211> 576
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910032c10d1

<400> 42020

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 cacacatgag ttgggcctct tccaacttaa aagcagagga taacattggc ccatgacgcg 120
 acacatgcac cacctaataa tcataatttt acatctttac atacaaaata caaagacttt 180
 aaattttaaa aagaagaaaa gagataaaca gatcatctta atgaaatgaa accaaaaccc 240
 acaaacattg gcttgatttt tgttggtgtt gttgttccca acttgattaa gcatgaaccg 300
 ttgattgaa tcacttggac ttgaagggaa tggccctgat tacgacctgg tggtagagtg 360
 ctgcaagagc tgcaccgatg aatgggtccca cccagaagat ccagtgttca tcccaaccaa 420
 ggtccttggt gaagatgata gcagcaccaa gactacgagc aggggttgata ccagttccgg 480
 tgatggggat ggttgccaag tgaaccaaga acacagcgaa cccaattggc aagggtgcca 540
 aaatggggac gtgggagtct ctggcgctac gtttgg 576

<210> 42021
 <211> 472
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910032c11d1

<400> 42021

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 gggagaacat ttttttttgg ttgacgatat aaaagatata tgttctgaaa gaacacatac 120
 atgttcacaa aaaaaaagg ggaatttat ataataatac cgaaaaaaaa aaaccgattt 180
 gcgtctgagg gaagggaaca tagagaaaat ttagcagtc tggttataag aagccggtgg 240
 tggtgcaaaa gtgccttgcc aagaggggtg ggaccccttt tatttaacca ggggcctttt 300
 gcccttgag gggcttgacc acttaccatg tgaaagcagg ggcatttttg tcaaagcggc 360
 ctttgcagc cagtgttaag aacctgccat ttccacctt cttgagatca agggatgatg 420
 agatcatgcc aggccgaag ccaaaactgt cttacaatg gttgggattt tc 472

<210> 42022
 <211> 452
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910032d05d1

<400> 42022

cggggtggaaa atatgaaact tattacaaat caatacaaca ttttgtccat gcaaccagac 60
 agaggaaacg ccaagccata acacattgga actcaatttg atcttttgcc tttggatgac 120
 actatggaca tgttaaaaca agaaacaaga aaatgttaat tgtatcaggg tttttataag 180
 ggattcactt aaagagagcc agcatgttgg gcaatcttgc tttcaagggt acttttggct 240
 gccccgacca cactgtcaac ctttttgcca ttcttaacaa agaaaaatgt cggaacactg 300
 ctaatattcc aacctgcagg aacgtccctg gcctcattta tgtcaacttt caaaaaaacc 360
 acttttgggt acttttcagc caagcttggt taaatagggg aaatgaagcg acaagggcc 420
 caccatgttg cagtaaaaac aggatcgcca gc 452

<210> 42023
 <211> 546
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910032d10d1

<400> 42023

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 aatttccatg tcacaaaaag ttattaaacg gtagtaatgc aggggggacaa tcagtcctgg 180
 tagttccatg atggcatatt gattaaacca aggggtgttaa cagtggattt ccaaggaaat 240
 gagcgtctag gtttccaagg acaaggtcag ccatggcagt tcgagtttct attgtgccac 300
 ttccgacatg aggcaacaag acaacatttt caagcccaa tagctcttct ggaacagtag 360
 gctcattttc aaacacatct agcccagcac cacccaaacg accttctagc agagctggca 420
 ctaactctgc ctcatcaaca tgcttgctc gtccaatggt aataagataa cccttgggac 480
 ccagtgcatt gatcacctcc ctgttgatga tgtgatgagt tttcttcgtc agtgggcaag 540

caacta

546

<210> 42024
<211> 538
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910032d11d1

<400> 42024

gcaaagaaca aaatactgca ttcacttgca tactcacata ttagtatgt taaaagaaag 60
aaaataaaag ttaaaccctc cagagcgtag aaatttcaag acttctgatt gcagtacccc 120
cactggaatc actctctctc tctcctaag tctctaata gtagacatcc caaccctat 180
ccctccaata ggagatataa actgctggaa cttgttgac tctccaataa tctcacctc 240
catttgagc cagtgtgta ataaattctt caggcatatc aaaaagctct attgatttta 300
gttttgtag gtgctcaatg cctaattgta cctgcttcaa tgaatcacag cgctggatga 360
tgagcttttt aagaccaggc attgtccct cctccacagt catagatttc agtccatcta 420
aataatcaag tctaacacc ttcagactag gaaacccctt agccttgaag tgcaatgtct 480
cgccaacata aactttgaga aactcgacat gtcttagatt tggcaaatct tgaagatg 538

<210> 42025
<211> 514
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910032e03d1

<400> 42025

ggataactca aattgtacat gacaacagtt ctaaaaagt gtgcttccac accgcatatt 60
acaaatggaa cagataaatc ctagttttaa ttattggat acttccaaca tccaataagt 120
ttttggcaag caatcttgca tggccaggaa gggaaaaacg tgaatcttct ttattgaaac 180
caaaaaataa aaaatccatg tttcacttct tcaacagcat ggcactgcat tgtgccatta 240
tctttgatgc ctttgtaatg gcatcagtc tatagaaatt ctcaactaca gtcccgaatg 300
gggtggtgt ccaccttctc agagaaggtt ggtctgagt aagatggtaa tgtggcaggc 360
tctctctcat ccattttcac aaggtttggg gctacagtag tgattcgagc acgaacggcc 420

ccaattgtat catagggcaa acgcactcct gccaccttag atagagctcg aattatcttc 480
caatcatctc tggagtcacc aactgttgga actg 514

<210> 42026
<211> 500
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910032e06d1

<400> 42026

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acagaacaac aaaaagactg taataaagaa agaaggccgg ggtaaagatga gaagatgctt 180
cacatataca gtccttctgg cacccttctt ttcttcttaa acataacctt atcctttgcc 240
ttcttgaagt cggcatgcgt caccttcacg cggcgttctc gtaaagcaag taagccagct 300
tcagtacata ttgcttttat atcagctcca gagaactcat ccttagtcat aacaaattct 360
tctaagttga catcatcagc taatgtcatc cttgaagtat gtatctggaa aatgcgtctt 420
cttggtttga tatcaggag aggaaattta atcttctgt caattcgacc agggtcgcag 480
cagggttgga tcaagcttt 500

<210> 42027
<211> 439
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910032f02d1

<400> 42027

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gttcacataa ggccaagttt ttacacaaga tatatttctt tttttggttt ctaagccttc 120
aagaggggga acttatgtac acctgctaata agttccatct cacctttcaa tagcataaaa 180
gccagtgaga tttaaagtga aacttgccat cagcagctc cacttgcagg ttcaattgaa 240
ctgagcaacc cattgcctct tagctgcgtg caatgatctt cagcatcagc ttggtcacag 300
atgatcacia ctgacaatcc attgtagtgt gcttcttgca tgatattaac tgcattgtca 360

0953443-032200

aaggtcattc cagggatgac cttcatcagt acttggacaa cgtattcccg tttattaaag 420
ttgtcgctgt gcaatatta 439

<210> 42028
<211> 537
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910032f06d1

<400> 42028

gataactcaag aacctaattg gtaaatcaat tcgggatgac aaaaggctta caacaataag 60
aagcaacgaa atcaaagatt catacttata tgggctaaaa atgttatact ttacaagaat 120
aatagcttat gtttttgta attaacagtc aatagaagta atcactaatc taaacatggc 180
tttatctgtc agtacgaaat agtagtagta accaatagtt ttgttggtt taatacgcca 240
agaatgatcc agtgccagt taacttggtt ccaatgcctt tccagctgag gttggctgag 300
agaatgctag ttgagaacgt tcaagctcaa gatccttgca gaaactcttc ctcacggcat 360
caagcaattt gcttgcaatt ccttttcttc tgtagaggg agcaacccaa atggccctaa 420
tgccacaagc agcggtggtt ggtttgctat cacagaagat tgcaccttcc atcctttcag 480
aatcactcaa ggaagcaaac tttttttcaa cctcctttg gaaataacat tcccaaa 537

<210> 42029
<211> 462
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910032f07d1

<400> 42029

gttccaaata ttttaacaaa gtacttaatt tatgtggtcg agatttcagt cagtaaaaca 60
catgactaag ataaagatta acaaactcca gagaccacag aacgagaaat tttttctaaa 120
agagtacaat ttaacatcac agaatataga gtgaggaaaa agttctactc tccaggtgca 180
gagacgccct gcttcagtct ctcttttttc atcttcttct ttgagattgg cttttttttt 240
ctaggaggga gggcttcttg tgcatatgtg tatagtacat aatttccaac gaggaatatc 300
aacagcaacc caccaacaag aaggagaaca attaatgctg ggttgaaccc ttttgaaccc 360

acgcgatcga aggaaggagg gactttgtcg gagaattcga agtcgtcggc catggaggaa 420
 cggcgaaaaag gaacagatct acggcgggaa gaatcacgag ct 462

<210> 42030
 <211> 499
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910032f08d1

<400> 42030

gaaaaaaaaa ttgaacatag tttattcata tcatgtgccg cgcggtgcta gtttattgat 60
 tgtgaaatct aaaataagaa gtggcatggc atgaattatt taaacgtaaa atgaaacaag 120
 aggtaaaaag atggattata aaaatagagt gggagctgca tagtagtaaa tagtttatat 180
 ttgatcatcc cagagatcag cgagttgtgg tttggtgggt ccgctgatca aacggctctg 240
 gctgatttga cttattttgt gatgatcttg ttcagtcaat gccagtcaa agatgtgcag 300
 attctggttc atcctctcct tatcgtagct ctttggcaca aatgtcacac cttgttcgta 360
 caaccatctc agactcacct gggctatgga tttcccatga gcctctgcaa tctccttcag 420
 cacatcattc tccatcactt catttgggcc cctgctcgca cctttcctca gtggagagaa 480
 cgcagtcact attatccca 499

<210> 42031
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910032f10d1

<400> 42031

cccaccaaag agccaaatgc cataattagg atggctaaaa aaaatgaagt gtccacaata 60
 caatgaaata cattgggcca atagagatta caactcaatt aagaataata ataaaaaaag 120
 aactttttcg gtgtacaaat taaaacattt aaataaggaa tataatataa ttaattaaca 180
 aaggagagag accgtgtttt cttcggaatg ttgtaatgtc caagataact aactaagacc 240
 aaaaaatggc aagtggcatg cataaacctt aagcatagct ttgtagcttt cttcatcaat 300
 aaattaacaa cataggaaac cttaggtaag tgacaatcgt gcaaaactcc atcaaacccc 360

tcttctgtgc cacagttgca aattgcaatg accaattgag ccacactatg aattctgtga 420
 agatcgtata gagaaatgta ctggcagcca aaggccatgc cagctcttca actttgatat 480
 agtggcttat tgtgttgatg tggaattag 509

<210> 42032
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910032f11d1
 <400> 42032

cagcttagtt ttaacatagc caaaaacaca aaaaatgttt cttaatatTT ttatcctttt 60
 aaaaaataaa tcaaaccaca aaacagctca tactttcctt tgctataaat aacaaaggga 120
 aagtatatac ttaacctaaa aaacaacaat caaatacacc ttgcagcacc tgagcaggcc 180
 ttaccaacc aaaattgttt ttcagataaa ttctccctt tactcgtttc aagttgccac 240
 aaaactccac acatcaaaaa atttaatatc atttcctaaa aaatccctag tgaaatgaac 300
 tacatactca gcaccaacaa atgtgtggag agcagtgatg gtctgagtca ttggcaagag 360
 gttcaagagt aaaccttatg cagtccaatg ttgagatcag atgatatgga aataacaaga 420
 ggaatagact gaagccacat ggctctg 447

<210> 42033
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910032g02d1
 <400> 42033

acccaaactg gatattgatt gcttttctgg aatatatc gttaatacaa caaaaataga 60
 ctgctctat ctaacaattg tttttggatc tcctttacag aatattacaa tgtaacgtac 120
 aagtaaaatt ggttaaaaaa attaacaaaa agcccccccc tgtgcaagag caaaagtgat 180
 tgaaagccag aaaagaaacg gggaaattga aagggggcta aattcaaaaa accccaattg 240
 cttgctcagc tagctaaatg gctaggagag ttgttgaaca tggggtgccataataatgct 300
 cgggaaagca ccatcttaag ctcccgggga gtccagtttt cttttggaag gggttgaagg 360

aacattacca attcttgga atgaagtttc tggagcttgt ctgaccacct tagaaggaag 420
ctggccaata tttt 434

<210> 42034
<211> 495
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910032g03d1

<400> 42034

ctgtgttctt actatatttt cttttcttta ttaagtaaag atataaacat tatatgttat 60
ttacatagct tatcgaaaaa aaaaataggt tctttacata aaaacaaggt tatgtctagt 120
tactgactta agttgcaaac aacagacaag ctcaaaattt gatactctag ttacttttat 180
ggaaacaata gcaactttct attttccatt gctgaaaaca agctgaatga atattcatct 240
tttgaatcca gagagcaaaa ataattaatc ggtattaaga ggaagattga ttgtgtgtca 300
agctgtgctc atctagccaa gatattgatg tcaccaaaaa cttgagttat tattttatca 360
ggctcaccct caagaagtgc atgataggca ttcttgtaaa gctgaagctt tttgtctgaa 420
cagcttgcac tctcatacaa ggctttgctc actgatggat cagtcacagt gtcagcttcc 480
ccggaaggat gaatt 495

<210> 42035
<211> 472
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910032g04d1

<400> 42035

aaacattcaa attcactcgg gaaaataacg ttacattggt cacaataaa catggctacc 60
agcacgagct atagggcacc taagaaacag gactaacaaa tggtaaaaag ttaaataatt 120
tcgctaaaat taaaaatgca ataaacatta aataccgat gccagagggc tggaatgttg 180
aagtctcata taacttataa gcatctaaaa gtattcactt gggaccacct ccaagtgttg 240
tcatcatttt cgcaattaca ggacctacct ttggatttga ttggtgcttg gcaaaattag 300
cagggttctt cataacatct tgaagagcag ccataacctc cggatcactt aatgccgcct 360

tcagttcaag gtcactcaag attttgctaa aatcaatggt tccaggcacc cctccaggaa 420
 tgccaccagt ttctgggaaa gcctccccag ggaatacccc cgccccctgg ga 472

<210> 42036
 <211> 530
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910032g08d1
 <400> 42036

accagaatat aacattaataa taaccaaatac gaagagggttc gcaaacaaaa ttttaagtaaa 60
 tggaatgtgc tgacaaaata actcaaattc actcttgcaa aactaatggt atccaaaagt 120
 ctagtatttc caaattaataa gacagactaa gaacttgtag cagtatccaa aaaggctctt 180
 ccagggtcac gattggccaa tgggtccatgg cacccaagaa gctttgcatt cacaccatcg 240
 ggcacaattc tgttctctga cttgaacttg agataatcag aacgggctaaa cttggtgaag 300
 ccccatcttc tgctaactat aatcttttga cgaccaggga acttgaactt ggcacggcga 360
 agagccttct gagcatgatg gctgttgctg gccttgccagc ggacagaaaag aaagacctgt 420
 ccaatagccc acttagcaca agtaccctgt ggctttccaa aagacccttt attccagttt 480
 ggagcctatt accaccacac accaaagcat tttgttgatc ctaagaacat 530

<210> 42037
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910032g11d1
 <400> 42037

ggggaacca ggaagaacca tttgctaatt ctctcattt ttcgggaaaa ttgcaacctc 60
 cataaatca ttctgaaaac aaaaccatcc aatcatttta acatccatct aaataaaaaa 120
 taattcgccc aaaccagaac ccagaccgcc attaatctca agctttaacc gaaaaacaga 180
 acaacccaaa ccattttccc atttgggatc cacaagttcc acactttcta tttaccaatg 240
 gcctaataat taattattaa tccactagtt tacactacta aaagcttggg atagattaca 300
 cttacactcg ctatgttaca aaaaaagttt tcccaaacca ggacgcttca ctacacacgg 360

acaacggaaa caacgtgagg gaccttgcca tcattaaatg ggaagcaaac gtactggcac 420
gcaaacttct tggggatctt aaacgcgagc t 451

<210> 42038
<211> 501
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910032g12d1

<400> 42038

accatatata tatagagaga gagaatacga agcacactga tcacaggatg atgctctctt 60
taagtaggga agcagatctt atcagtacac ataggtaggt tgaaattcta gctctagcaa 120
tctagctaga gaaggtagta cttgcacaac acacagcaca tgataattta ttttatacac 180
aatctcattc tcatggtgct caagatgcat ggactaatta agcaacaatg ttggtctgat 240
aggcagtgtc cacagataaa ttgggtaccc ataaaatggc cttgcttcca aggaaatggc 300
aaacaggggt agttccagga tcaactccca taagttgatg aagcatttga tgattcattc 360
cagaagtatt tgagtggcaa atagcaagtg cctgagtttt ggttccatta ccagccacca 420
atggaaccat gaaagctgtt gtttcacgga cttatggcag taaaaactgc agttctgaat 480
ttagccttta cacataactg t 501

<210> 42039
<211> 407
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910032h01d1

<400> 42039

aaaccgggt ttattaataa ttgggcccta taaacatttg aaaaagaccg aggccactgg 60
aacccttgac tactttggaa aatagactag ggaattttgt cccattttca aattagaggg 120
cagagggaaa actcctataa tatggccaac gataatttta tgggcgggca aaaccacttt 180
ttttcagatg ggggggggggt tcattcacca agtaccaaaa ctgcagccaa ggggtttttg 240
ggggaggact tcaagacgat ctttcatgac agccataaat gaataagctg ggaaacacag 300
ccggaaaaag cctgtgtgaa aagaaggcag gccatcacca ggttcaaggg atctgtttat 360

gttgaggggg gaagccaaac cacggaaacc ttcaaggggg aaatttt

407

<210> 42040
<211> 500
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910032h04d1

<400> 42040

aaagcgaaaa atatcctgta ttgaatttct tcagaagccc aaagtgtcac ttgtgatgga 60
taacaacata ataagaagta atcctcacta atcactacaa attcattttc atcccaaaac 120
tctgaaatca gtacttcaag tttcaacttg cctattgagg catggaagat tgaaataaga 180
tacactgata gtgatagttt aaatacaaat aaatcaaagt aaaacagatt cttagttcgt 240
ttaaaaaatc ttgcttgctc tgctctcaac ctgtgtatct tattcaacat tccattagac 300
tttacaatca gcagagacag aaagtaatat ttagactagc ccacgatgcc ttgaactttc 360
tataaacata aaaattgaag aagattccaa caattcccca tgtaatataa ctcagatctg 420
aatggtggga tattggatgc acatgcagtg atgatgggaa agttgatgag ttgaatccac 480
ttgtggttgg ggaatttgcg 500

<210> 42041
<211> 495
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910032h07d1

<400> 42041

cggggaaaat ctactaagat aagaaggaaa aaaaatacaa gtttcaaat ctggttcttt 60
aataatcaaa ttgactaaaa gctcaaatta aaagatgctt ttgaatagtg cctggttctt 120
tagaagaatt agcggagtcc aaaactaaat gattgatgca tcttatgagg gtatttaatg 180
acccatgtaa ggagcaccag caccaggatg aggtctcaca ccaactggtt gtcccatttg 240
aggattctgg catccgggtt gcattgttgg ctggttccca taccccatag caggttgatt 300
cgcatatgga gcaggcggcc cccctggtt aacgggggca ccaaccaagcc ttccaagaag 360
attcccaagc cccaatacag ctcctgatt aatcaatgca gtcaacgcct gttcaagcac 420

cggattcaac ccctgggccc gccaccaggg ttaaaccccc cacaactaag cccggggcgc 480
 ctaaatgac acttc 495

<210> 42042
 <211> 500
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910032h09d1

<400> 42042

agacattatt catggggcac ggtttgcgta aagatggcag attacagata aagcgtgata 60
 atttaacata ttacagcca caaatgaaaa cctgttcaat gtcctctccc tccaaccaac 120
 cctctcctgt ctctaacac aaccttaaca aacaaaaaaa atacatactt caaatcacia 180
 acaacactgc tggggccaat atcctatcct ttttcaccca aaaatgggggt attcgggaaa 240
 agaattacaa tttagagaaa agttaaattt aaaaaattga cttctttatc aaattttcct 300
 ttcaaagta aaaattgaca tttctaaagt agtcattctac cgtcattgtt tttcattgtt 360
 taaatgcagt gacccgtccc tcatcaacgt aaggctgaga ctggcaaacc tctctcgtga 420
 gtactgtctt gatgcttata tacaatctgt gccagccttc atcatagtag aaaaatcggc 480
 gcaacttata cttccatcct 500

<210> 42043
 <211> 499
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910033a01d1

<400> 42043

agattacaaa ttcacaatac attcttgaga aaatactgta tgcaaaattg aaaaaaata 60
 taataataaa tgccctggac tatggaatca gaagatggaa aaatgatttc acaattattg 120
 agcaattaaa agaatttcat actaactata atgaaaaata aatgagataa aagtaagtta 180
 tatttcattc tttatcatta atcactaata gccacattta tactgagacc atttttgaaa 240
 gtcacgtca ctgtcatcag attgctctgg actaggaact gccacagaat cttcctgtgc 300
 tttacatcg gcacccctct tttttgttgc ggccttcgga acctcttcat gagttccagc 360

ggttaggtcc acaacctact acgacatcac caaatctgag gcatctctac cgggggtattc 420
 ttctgacttg gtggaagcta attttagtag ttcaataaac aacttataat gaggatgaac 480
 ttttgcaatt gtatttaca 499

<210> 42044
 <211> 351
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910033a11d1

<400> 42044

atacataaca ctaatgaatt ttattttaag acgttctttt tatttaatcc aaacacactt 60
 gtctgttgtc cccgcagacc ttgacctaat caattccatt tcttatagga gcttctcgaa 120
 caaatcatta tagttcatgg ggatatataa ttaagtcaat tatgttaata ttccataata 180
 aatacgaaat gaatgtccat caaatTTTcc tagtgcaaaa accatacaag gaagatcaaa 240
 ccccgaaaa acgggggacta aacagattcg tgttccatat tggatgacat ctagatttag 300
 ttgtcaacct cggattcaat accggtggta cttcgtagct gggttattgg t 351

<210> 42045
 <211> 547
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910033a12d1

<400> 42045

gaataaaaatt tgttatttcc gcttagatta aacaccaatc agattttattg aagcttgcaa 60
 cgcaaagtca ctcaaccagc ggtcttcaac cataaatggg gagaacgcat aacctctaatt 120
 tcaaagatca gtaatttgta gagcataatc ccaaagaaaa ccaaaataat aatcaattag 180
 ttaggcaaaa taattcaact gctcatcttc ccaatggaac tgcataagtc agacaatata 240
 aggcatagct aaaagagacc gtctgagtta gcctaattgc atgaagtatt tctggctcaa 300
 aagatgaaca ccttagatat ccatggctca gaattttata atagccttta gtctttgcca 360
 aaatcagcac tgtagtgagc actggattca agtttctttg catcattcag ttttctaaca 420
 gccttcataa aatcttcatg gatcacatat tcgcgttctg cacgaattgc tgccattcca 480

gcttccgtgc acacatttcg aagatcagct tcattaaagc cctcagcaag gttcacaaca 540
gcttcgt 547

<210> 42046
<211> 375
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910033b01d1
<400> 42046

agatcattga cccaaaaaca tagggatcaa tcaattgatt taataaaatc catttcaaaa 60
tattcaaaca tgagagatta aatgaataaa aaatcattca tttggctaaa tgaacaggta 120
gcatgactga gcaaagacac cacagtgcac taagggcctt catggtgaag ggtggggtaa 180
cgagttttaa tgacagacac acaacattga ctaaaggcta ttaccacttt aatactgcat 240
tgaaatacgc aatgaattaa caaacctaata gaaactttgg ctctagctca acttcatatt 300
taatgagggg ctaacatgct tctttttgcc ataattctgc agggcaaagg caaggcccaa 360
tttcaagaat ggcta 375

<210> 42047
<211> 533
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmro02910033b11d1
<400> 42047

atccaatatc actattatta ttattatata caacaaaaag aaaaaagaaa aaaagtggag 60
aatatagcta aatgcctaaa tattctctga ccaaaaaaca gaggaaaacc agaacaggag 120
caggggaagc aaacagaacc tccctcttcc acctgtgtac atcaacacac taatccaaaa 180
acccttaacc atatactgaa cctatgactc accaactgaa atcggttggc cgagatccc 240
caacggcgat cgggaaatct gccggcttat ttcgcgaaga acagatctta tctctggctt 300
gccaggggac caatcaacaa ttttctctga ctcttgcttg atcttcataa cctggctatg 360
aactgggaca cccttttgtg caaacctttc atcngtgttc atcttcatgt tctccatgct 420
ctctatcact caatggaaaa aaaggtttca attgccaaag tttcccagct acccttcttc 480

taattctgtt tctctatatg tgacaatcta caatggacaa aaaacctcga gcc 533

<210> 42048
 <211> 566
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910033c01d1

<400> 42048

aacatgaatt ctaatttatt gcctatatca ggtagctaaa tttaaatgtt caatattttt 60
 caggaacatc ataaacattg ttcacaacat cagagcatca acaaatacat ttttattcct 120
 tgagccactc cacaaacttg ttaaaattct cataggattg tcccccttct gcaatgttac 180
 ttagaacatc ttccttcagt ttttgagacc ttcccccttat gttctcatct ccaaggattt 240
 ggtctacttt cttctttatc tcccaacgtg atatcagccc tttgtcatcc aaatcgaatc 300
 ccaaaccac cttccacata tcacaaatgt aagccttgtc aactaattgg tcagtataat 360
 atggccaaca caagaaaggt accccattgg acacaccttc caaggtagaa ttccaaccac 420
 agtgactaat aaaacaagct attgcagggt ggcttaacac cttttgttga ggtgcccatt 480
 taacaatttt accacaagtg ccttggaatt catctgggta tgtgatnttg gtgcttccac 540
 tggcatcctn acgaacaacc cacaga 566

<210> 42049
 <211> 543
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910033c10d1

<400> 42049

aacaatagaa agtaaagaaa tttattcaag gaaactggga tttatacaat attgatattg 60
 tatatgcaa tccacacca gtactacatt tggccttggt gacatacgac aaatattatt 120
 aattttaaca tgcatagact tacacaccga aattatgagt attagatcct caccxaaata 180
 tacxaaataa aatattgtta ataactttca actttgctgg cgagtgggcg ggctttacac 240
 atagcctcca atggaattaa ccttgacaag gtgatccaat tattctctgt catatcaagc 300

ttcttctcac ttactcgttt ccagtcaaaa cattgaatca ttaatcccaa agtatagcta 360
 acacttttgca tagccatggg ttctcctggg caagcccttc ttcccatacc aaatgctacc 420
 aatttcttgt gctctccttc ttcacaaaac ctcttagggt taaagcttga cgcactcttc 480
 catatcttag gatctctttg catggcccaa ccattaataa tcacaattgt gtctcgtgga 540
 aca 543

<210> 42050
 <211> 368
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910033c11d1

<400> 42050

aatagagaaa tttttcacta taggtcacca aacaaattac aggaataaac ttgatatcat 60
 atcttagagt tccaacactt atttttgaat aaaaaaactg taggtgggat tttagaataa 120
 ttttaatagc ataagagata ggcaaaacca aaacatagtt ttagttcaca tgtctatcct 180
 gagactgctc agcaccagat acccacttat gaaggcatat ggcagcagag taatttgaac 240
 cacatgcaat atatttcaca tgtctatcct ttaatgcttc aaccaaagcc ggtgttttac 300
 gatcttcaat atctccatga cccagactcc catttgcgac ctttcccaa gggttaacct 360
 tatttttg 368

<210> 42051
 <211> 443
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910033d01d1

<400> 42051

aagagagaaa catatactat attcaatcat tttggggtaa tacagtataa ttttcttccc 60
 taaactgata atttcttttag taaagacacc aaagtaaatt gcatagctat acttattgct 120
 catcttcagt tttaacttat tgtgcacaca tcaactcgggt cgtgctctta catacagctc 180
 tcgtttgtgt tctgaattac actcaggcag caagtaactt ctggatatcc ttctcaattt 240
 gaaaaggaga cgttgttggg gggatatctt caataacttt accatttttg tcaaccaaga 300

atttctcaaa attccacttt ataagatcac ccaaaaagcc tccagcaetc gatttcagaa 360
 actggtacac tggagttgta aatgggtccat tgacatcaac cttatcaaaa attggaaatt 420
 ctgctttata tcgagtgcaa gca 443

<210> 42052
 <211> 316
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910033d10d1

<400> 42052

aggaaaggcc ggaattagaa ataaaaatgg gcttcccttg ctggaacagg taatatttta 60
 agacaacaaa aaagggatgg ggccccaaaa aggaattccg ggagaaccaa agggctctacc 120
 ctcttccctt ggtctccctt gcagtataga gatattccgg ggtgccgcgc ttacatttg 180
 cttcaaactc aagggaaggt caccgcctat ggggtgcggg ggaaaagctt ttgctatcta 240
 ttctctcttt atctctggaa ttatgggacc gcttaattac atggggcaac cttgtcaagg 300
 gcatctttcc gtggat 316

<210> 42053
 <211> 415
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910033e11d1

<400> 42053

ggcatgattg ggaatgggat ttaccaatgc ttttcaacaa gaatgcatta tgtacaagat 60
 tttattggaa aaataaaaaa gaggacgggg gtttgaccct tttgttattt tagaatataa 120
 attctttcaa aaggcacaca catttgtttc tgcaatttca ttcggggggg caacttctaa 180
 tatcttcattg gcaaggaagt tgggggcctt acagaagcca aactcaaaga tggaacacgt 240
 gtccaaaacg aacttttgag agtacttatg gggtaaaatc catgggaagg tacttgcttc 300
 acaacttagc aaaaatagtc aaagctttta atctgcaaac ttttatgggt tgatacaaaa 360
 atgtgtggca atgaacaaaa tgggggggta agggtttccg aaaaaatggg accaa 415

<210> 42054

<211> 476
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910033e12d1

 <400> 42054

 ggaacaagac caatgatata tatgaaaccc gagtcaatttc aataaagtca gcatcatgaa 60
 atgaacacaa taataaagat aagagaacga ttatgagcac gtattttcat taatcgaaac 120
 ccacacaata gcacagaaca acaaacctat gaatcagctt agtttggcca tcaagccaca 180
 ccaacattgt caagagggttc aattgcacaa gaaacaaagt ccactggact aaaacaatgc 240
 agctatctat ttacacatg atacatcaca tggtaggttt gaatcacaat gatgaattag 300
 ttccctggag gaccaccaaa gaggtaattc aaggaagatc cgccacctgg ggcagcatga 360
 accttggtag atggccgatc agtaagaaag ttgccacagt tttgcccatc agcacgatgg 420
 taattgtttt taagacttcc aggaatttca gctggaagtt gcttatcaat tgggtga 476

<210> 42055
 <211> 387
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910033f10d1

 <400> 42055

 gggaacaaaa aagggttaaaa aacccttcc cggggaaaaa aaaaaaatcc cccccgggga 60
 aaaacttaac ctttccccca caaaattaac cttcaaaaa aaggcccttg cagaaccgcg 120
 ccactaact aaaaaccggg gaaaaattgg aagccctttt cacaaaaaaa aaaggcccgt 180
 ttaatagaag ccccccccaa attacctttg ggattcccc cctttggaac ccccttagaa 240
 attcccttgg gcgccccac cggggggggg ttttggccc cccctccccg ggggggaacc 300
 cccccctgg gggggaccac cggggaaggg gtaaaaggcc cccccgtgg ggttaaccgg 360
 ggggaaaatg gggggtcctt tttgggg 387

<210> 42056
 <211> 425
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910033f11d1

<400> 42056

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aaaaagaaag aggctatata tttattcttt gaaatagcaa atgtcaaaaa caacctagga    60
tttcaaaggg ggaaaaccct gattaccact tataagcctc attttgaaac aaaatcctaa    120
ttaacagcga tatagctcaa tgacaaacaa aacaaggagt ccacaccaca cacaattttc    180
cccaaagatt ctgggtctca catacatgaa tctattttga agcagggggg ctttcataga    240
agcctttaac aaacacataa tttttagaaa tactaagtct cacaccccat catcaaact    300
attttgaacc aaaaaggctt tcatagagac ccttgaaaaa ggagaaaacc ggatctttag    360
ggggcagact ttctttgaca attggatggg tcaaaaattc ttggctccaa ttggggagct    420
tagga                                                                    425

```

<210> 42057

<211> 412

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910033g10d1

<400> 42057

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aaaaaaaaaa aaaccctccc tttcccccaa ggaagggggg ggaccccgcc atttttacgc    60
gcaaaccctc cccagagggg aacggaaaac cttataccaa cccgaaaagc cttcccggaa    120
aaaccccccc cctaaacaaa aaggggggtt tgaaaacccc caaaaaggaa ccccccttct    180
ttaaaccacc cccgggtggg aacaccgccc ctttctccgg gggggggccc gggaaatttt    240
ttggggaaac aaaaaatttt gttttgggga agacccccac cccccccccc ggggaaacaa    300
agtcagaccc ccccagaag cgggtgtgat tgctccccct tttgatggag ctcccccccc    360
caggcccggg ccttgctggg ataaaccccc taaattcccc caaagccccc cc          412

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<210> 42058

<211> 521

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910033h10d1

<400> 42058

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 acaaccaaag aaacgaaagg ggggggagac aggttagagt gagaaacatt acataacagt 180
 ttccaaacgc aaactaattt catctactac gacggaggac aaaatctgat caaaggagct 240
 cagcaacatt tgaaggcagc tectcaactt gcacgttgta aaacttctgg atgtcaaaca 300
 gcattttctc gtcattcctt gggacaaaat tgatcgcaac accttttctt ccgaaccttc 360
 cactacgacc aatacgggtg agatagttct caggctgtgt agggagatca aagtttataa 420
 ctagagacac ttgttgca ca ttaataccac gagccaaaag atcagtgggt tttaagacac 480
 gggaagaccc agaacggaat tcacgcataa taatgagcct g 521

<210> 42059
 <211> 562
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910033h11d1

 <400> 42059

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 aaataagcag caactattta acatacacat actaatggta tctgacatga ctgcatacac 120
 attacacagg actgcttata aagcacaagg gcacgcctct caagtcgcag gaaattttca 180
 caatggtaga aataaaaataa aaaaatcaga agatattctc aaaatacaag gcaaaccatt 240
 cgaacatcca tcagcctttg tacacatcat ttcttttagta cgttgataa gtaggcagca 300
 attcccaaaa ttataatcaa caaaacaata tcaatacaga agtttcgact ggatcgaagc 360
 tggttcactg tgtctttaag tctaacattt gtattcttaa ggtcagagga tgccttgta 420
 ccttagtgtc aatctcatcc atcagtggaa cttgtctatc cagttcctca ttcatatcat 480
 gtgccatgtt ttncaatgta tccaatcctt cagcaatcac atccaaacct tgatcctgtt 540
 tcattctacg catttcatat tc 562

<210> 42060
 <211> 502
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910033h12d1

<400> 42060

gagcaataac ttatatttatt gttcaagtag aaacggggaa aagtacatta aaaaaaaag 60
 agaaaaataa aatcgcaata aaaacataat gacacgctgt ttttttaaac ttcaaagg 120
 tctttgacaa aatcaagaac aacctatgag aatcttctgc ttaatcgact tcctcaattt 180
 tgggtccagc accgcttcca ctgccagctg caggaccatc ctcacccatg gctccacccg 240
 cattaccacc agcaccttgg tacatctttg ctatgatggg attacaaatg ctctccaact 300
 ccttcatctt atcctcaaat tcgtcagcct cagcaagttg gtttccatct agccattgga 360
 tagcctgctc aatcgcatct tcaattttct tcttatcatc agaagacagt ttggaagcaa 420
 tcttgtcatc cttgattgtg ttcctcatgt tataggcata attttccaat gcatttttgg 480
 cctccacttt cttcttatgc tc 502

<210> 42061

<211> 348

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034a02d1

<400> 42061

attccacaac tcgggaaatt ggattcaatt gacacctacc ttcaaataat caagaagtat 60
 tactataacc ctgatgcctt caacgggggtt ttccgcatta actaactctt tcttttagtt 120
 gccaaaggaga catatacatt acttacctca tctatacctg gttaaaattg ctctcgataa 180
 ttagagaagc tttatgggct atgactcttt tttgccatag gcaagcggcc agagaaataa 240
 atcattcacc ccaacactaa ggtaaattac cgccaccaca agggactcat ttaagctatg 300
 ttatgaatgt ataaaacaaa tcactatcta tgaatttttg acattttt 348

<210> 42062

<211> 471

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034a05d1

<400> 42062

gagcaaattc atttttcatt gatatacatg gggtatatac aagttacagt gtggtgaaac 60
 aaacatactc tctcttcaac ctccaataag cttttgctca ccagggggac atcttccaag 120
 gactcaaaat tagtaaaaaa aaaaaaaaaa ttacaattac aattccaaac aaagctaaca 180
 tctaattctt agacatcagg gtcacaaaat tttccatcca tcctgttctg aacagctttc 240
 acagcagcaa ctctagcagc agtggcagcc ttgctcgag cgattactgc tttgttaacc 300
 tggatcatcta ctcgtttaag gtttatagca ttctctgctg ttttcctagc agcctgcaat 360
 ttatataacc catcaaatga gaacaaacac atatgaggaa gaaaacaaac caacagcatt 420
 taaagagatt atagcaagaa gacaaccatg tttgttaata ctagtaattt a 471

<210> 42063
 <211> 479
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910034a06d1
 <400> 42063

aacgggctat ttcatacatt ctaatatataa tacaagtttg cggcataaat tgtgttttgt 60
 gtggcgggtt acaacttaga atgtataatt tgcattgtcc acccactgaa agcttagcac 120
 caacaatcaa ctgtagaatc ataagaacca acatcaaacc acacacattc tgggtctttc 180
 attttattca ttcattcttc tccccctcat ttacagaga aggagaagaa acaaactgtc 240
 ttggtaaact aaaaagatct ttcccttcaa atggagaact ccaactcccg gaaccagcag 300
 ttgatgtctc agcagaagct actccaccat cttgcaatcc aggcattgga gcattcatgc 360
 tcccatttga gggcactggt ctcatgatg attgagctac aactcctgaa gtatttgcatt 420
 catacatcgg agcactatta ctcttaaaa acggtgaaaa tcctagccat aaaccgttt 479

<210> 42064
 <211> 518
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910034a07d1
 <400> 42064

gtcaatcacg attcgggttaa aatacaacat acaaataaaa ataagggaga gtgacatcta 60

cacaaaatcc acacaaactt aaatcaaacg aggacaataa taataataat aataatgatg 120
 atgataaaaa tgagaaaagc ttgaaccttt agacttgagc tttaaccttc tggtttggct 180
 cgaagacata cttataaga gaatccttaa tagacaacag ttctggaaat tcctttcttca 240
 atttggcagc gtcaagctca ttgttgctcc tcggagcaac aatcaccttg gcctgttctt 300
 cgagagtga gttgttccag gtgaagtctg ggtcaacata atctctgtac atctccaaga 360
 tttcattgtg actaaccact cctgggttag taaagttcca gatcccagtc agattcctct 420
 tccccatctc aattgaaatt ggaagcagtt catccaatat agtcacgaa ttcggaatat 480
 ccacaacctt ctcatatcga gtgatcttag tgataaaa 518

<210> 42065
 <211> 595
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910034a08d1
 <400> 42065

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 ttaaatgtac ctgagcaata aaagaaactt gaatacacat aagcatcgga tactcataaa 120
 aacaaagata tggcttcaag ttttccacca tacttgacag tgctttatga aaagtaccta 180
 acagccacct attgtctact tctattcaca tcaacgagaa gaaacaatac aatatcacat 240
 ccaacccaaa caaaaattta gaagcttaaa aattagacat ttgatcttca tgatacaaat 300
 acaggccaag accaaaccgg gcacaagatt tgcagaaagc aatttcctta gcagcagaaa 360
 ctggatcgcc aatggagcca tcaactgggtg atatcggtcc agttgactca cgatatgcct 420
 ttccattaga tccccgtaca ggaagacggt atacgacagt tacggagcca ttgtcggaga 480
 aaatgacatc acgtatctcg ccacaccaac ctggggcgta gaagctgagc attctgttgg 540
 catgatacca gtggatgaag cgatcatgtt tgacgatagt atccgggatt ctttt 595

<210> 42066
 <211> 564
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910034a09d1

<400> 42066

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 tataacaacc tcattaaaag taatgggata gaaagaggta acatatgaga ttgtaaacag 120
 atccgaaaac tcacaaaagg gtaaaaagaa taaaattaca ataagacttc cggaaattcc 180
 tgtaaaatta tatacttagt ctggtctggt tatatatgtt tcaattctat tccaactaaa 240
 gaatagaaaa taaatgcagg tctttcaatg gcagaataga actattcact tcgtgggctt 300
 catcttgaag atcatgatca tccaatatat agaagcaaaa gtagttgcca tcttgcagca 360
 cttgtttctt gtattcaaaa gtaccttcta ccaatcaaac atttgaccga aatcgtgtca 420
 atgatatctc ctggagttca cgcttcatgc acagacgttc accgagcaaa gccatcactg 480
 caatttcagt accattcaca atccaccatg ttatagatga gggccaaccc ccatacacia 540
 tgcataataa aagatggaca atgt 564

<210> 42067

<211> 520

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034a10d1

<400> 42067

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 ataaaaggaa aagaagaaaa ttataaataa aacactcatc tagaaaagaa gaatatcaat 120
 tactccccta cagaatgact actacaatac aaccacgcaa gatggtagta taaaaccatt 180
 caaaactgag tatcttattt gtataaacct ccattcccac tttcaacgag ttacagaag 240
 aatctgtaaa cgaatggtat atacacgtaa tagcataaag aaggaacccg ctgtacgtat 300
 agtcacagtg gaattgcaac ccaaaaacca agaaaatttc ctgatatcct catcttaagg 360
 catttcaaaa tgccattaag gaatcaacat ctttcttttc tgagggatac tttattgttg 420
 gccgaaacga atgctttggg aaaaataata tcctagggaa gctttccaat tgcagttaac 480
 tctttgcaaa ttctttccgg tctccatctg ctctaaattt 520

<210> 42068

<211> 408

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034a12d1

<400> 42068

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 gctacatata ataaggttaa aagattccct aattcccatg ccattgtcct tteacagggg 120
 gataaatata tttttaattc atcatatcat ctaattggga attaagcaca cacttcctaa 180
 tttggttcac tacgcaagaa cattcacaaag ctactaaatt gaccatcaac gattcataag 240
 ttctcatgtc attggccact cattgacatc ataaacacat ttagaatcca tcatagatta 300
 tgcgaccata tcatactatt tcaccaaccc ttgagaaaga gcaaggaaga agatgtcatt 360
 aagcctatca ttactaggag agttgccacc atacaccaac aaccctt 408

<210> 42069
 <211> 384
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034b02d1

<400> 42069

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 ggggcccccc taaaaaaaa aaaccccggg gggggtttta aggcccctgg gcccgaaacta 120
 aaaaaaaaa cccggggaaa agggggggaa aaaaccgggg ccaatagggc actaaaccct 180
 aaacccctt aaggggtaag gccaagaaaa aaaaggggg accaaccctt ccccccttgg 240
 ggtttggaat gaccaaaccg gccttaatat tttggcccc cccaaaaaa aagggggaat 300
 ccttattttt aggggggggg gaattggggg ccccccaaag ggggttaaaa aaaaaaattt 360
 tgttttctgg gggcgcgcg gggg 384

<210> 42070
 <211> 470
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034b04d1

<400> 42070

002200 032200 053443

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accgaagttc ccttgtcgtg tgcgaaaaca atgctcgtct tgaaaggacg gtccgtgctg 120
ggaatgatag gctctctcgc cagcatcacg aaccgcgtga cgttgctcgg atcgtcttgg 180
attccgtccg ccatcacgtt caggccgtag agctccgcgg ctctgtgcgt cgcgatggcg 240
gcggtgtcgc ggaggttatt cgtggcgacg aactcggcgg cgccggcggt gtcgtccacg 300
gcctcgcgcg ccacgttcag gccgagtttg gtgagagtgt gctcgcactg cgcgagtgcc 360
tgccgatgcy aaatcactcg cgtgaggaac tcctttcggg cgccggggag cgcgaggagg 420
caatggtgga ccgggagctg gacctcgccg actatgtgga ggcggtggcg 470

<210> 42071
<211> 511
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910034b05d1

<400> 42071

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cattgatcaa agtcataagg attcaataac tgatgtgaaa tgatcttcca tgttctgaaa 180
ctagttcgtg ttgtaccatg atttcttctg aagctcatca attattttct gatccacttg 240
aaaagctttg gtgagaacct caggagaaat aggtggattg gctttaaaca aagcatttgc 300
aatagtata gttcctgcat ttgactgcc aagagcagca atggcaacag cattgccata 360
tcccacattg agttggaaat gaatgagacc aattgggaac acaaacacat cacccttggt 420
caacactttg gtaaagagac gatttccatc ttgattggaa gtgacaaatc caacatagag 480
agttccttta aggactaaaa ggatttcggt g 511

<210> 42072
<211> 358
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910034b06d1

<400> 42072

[illegible]

<223> Clone ID: jC-qmro02910034b07d1

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aaaaaaatta	aaacaacggt	caagattatc	atatctagcg	tccaaaatga	ccagcaaaac	120
tgaaatgtag	ttcaattcgt	tatacacctc	aaaccaaaac	ttgaaacact	aactagatac	180
tacttaatac	ttaacaggag	caaggatttc	aatttgggaa	ccaagcttct	cctctgcaac	240
cttctcagct	ttcacccctca	atttggcaag	ctgcttcttc	ctctcataac	acaattgtgc	300
tctctccttc	cttttcttct	caagttccct	gatggtatca	tagtagttcc	atccaacctc	360
agatgacaat	tggcccagat	gacag				385

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<223>      unsure at all n locations
<223>      Clone ID: jC-qmro02910034b08d1
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taagataaca aagtaaccct tcttggttgta gttcaatcac ttctgtagtc ttcattcatct 180

ccaaaggtaa aaacagaagc atcagcagcc atggccttaa actcactttc tgcactgggc 240
 acctcgagac tggacactgt ttttccatca acattaacttc ctggctcact agcatgacga 300
 attggcgtag agctcttggt tcccaaggaa acttgctctg ttgcatgtga taaatttgca 360
 atttcatttg aaactctggt tgattcggag attctgggtgt catttgtaac tgtttcaact 420
 gcttcagaag gtgcttttgt ttgcttgctt tttgaagaag cagattgctc tgccttgcca 480
 tctgaataca cgtcatcttt atcatgacta tctgattctn tgtctgcatt ctgtgcaggg 540
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 tg 602

<210> 42075
 <211> 543
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910034c04d1
 <400> 42075

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 agtccttgaa attgaatctg taatccgaat tctaatatct aggctgagta ggtacaaagg 180
 ttttcaaacc ccattgtactc tttatttgca attttttggga tcatgtttga tatgcccaca 240
 ccacctagtg atattgcact aacaaaaatg gtgccggaga ggatgaaaat gatcagagat 300
 gctttcccta gtatggcaac cagctttctc actaaaactt gtccaacaaa ggccgcaaaa 360
 gtggatacag ccactaagta aagagtttaa ggaataggaa accgttttag aaggtaatat 420
 tccaccactg acatagatgc tgaaaatgtc atggcaaaag tggctgtagc acttgacacc 480
 ttggggggga tttctagctc caagaaaagg ggtcccaaaa taaaaccttt cccaagacca 540
 agc 543

<210> 42076
 <211> 568
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910034c06d1

[illegible]

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cagttatattg	ataccagaa	gagtttcttg ttaggggtgtg tgaagtgggc caaaatagcc 180
atcaaagtag	cttatcagct	ttaaggcaag aagaaacaaa accaattctt ttgggtaaaa 240
gaacttcaga	aaccactttg	cccattcaac taaacacaac aatgaaagat gaattaaaaa 300
gtcatgttac	agattcctct	gaatgaagtc ccacatcctc ccttccatgt aaactcggtc 360
actatgacgc	cgaggcatgt	gccgttcate tgggaaaact attagctcat atgattttcc 420
agctgccaca	agtgcattga	taagtcttgc agtgtgccta aagtgaacat tctcatcaat 480
catgccgtgc	acaagcaaca	accgcccttt caactgggtgc acttggttct taccagaacc 540
ggtttcatat	cctgacttgt	ttcagatgca accccat 577

<210> 42078
 <211> 541
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034c08d1

<400> 42078

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 tttccattgt atcatagtaa attaaataaa tgtgtaaggg ctcaatcttc attgatacaa 180
 gccctgtaat acatggggca atattcagca caatagcctg acttgactat gtacagtata 240
 cacagtcttt gcgcatccaa attctcttat ataaatcttt gtttttggcc aggcagtga 300
 tgattaggcc ttggcaatct tttgaggtat acttgaacaa ccagaagaca aggagcacca 360
 attatgaact tcaaataatt tttatatact gaacctata tgatctaaac cacacgtatt 420
 tggtaaattg ctgcatcata gggctctaac cgcataaggac tcacttgaca gcttctttgc 480
 atttcctaga catttggtac aagatatata ttgctgtca atgctgctcc ttttagagag 540
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<210> 42079
 <211> 544
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034c09d1

<400> 42079

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 agaaggggaa aaaatgtata gcatctgtga gtcctgaaaa ttaggacagt attatgcata 180
 caacagaatc ttttaaacca aagcctaaca taataaatga gttaaaatca gcattctttg 240
 gttgcaattt cttcctgctg ttttgtggcg gaaaataggg aaaattttgt ttctgcaaag 300
 aactaaccag gacatgaaaa ttttccagaa cattcaagca gatgcagcca aaggcacaga 360
 tctgtagcat gctctctttg cagcacgaac aatatcttca acctgtggga cagccattct 420
 ttcagatttg ctgcttaatg catgggaaca ttagccccag caatttttta acgggtgcat 480

taagattacc aaactttttt taatgacaga tgtgcagatt tcagcgccca cgccatgctg 540
agga 544

<210> 42080
<211> 456
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910034c11d1

<400> 42080

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gagaaataca gagcaactac taacagggtt tgcaaaacac gcttaactga aaattttata 120
tcataacata cgtcacgatt tgaaacttaa aattactatt aagatatcta gagactagag 180
atactggggg atctaaaaac atccattaat ttaactcgga tcccagttac acctttccct 240
gcactaaact ttactacacc aagcaaaagc tcccgttttt attaagtaaa ccatacataa 300
aagaaaaccg aaaagaaaag aagatcaaag gaagattggt agcacctaag gttcactaaa 360
ttctgataac gagatacaaa aggggtgtgca gccacatgt aactttgggg ctatatccca 420
tgtgaggaac agttcccttt caagcttatt ttttcc 456

<210> 42081
<211> 568
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910034c12d1

<400> 42081

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attacacact cccatcaata taccctcct ccactttcat gtgaaaattc aagtactgac 180
aacaataaa attgtaaacc caaagggttc ctaggttgct acaccaagac tcaaacatat 240
agaattatgt atgagtctcc tcagctgttt tagaagatgt tagagaacaa ctcttcatga 300
agatacaaat tacgagcatg ccaacaattt gcggaatctt tcctctctgt ccctgcgga 360
ccgggaggtt gtggtccctg aaggcggtcg tcttttcttt cttggtcgga agaaaaaatc 420

005413.03200

ttgtgtgtca agaacataag aaatcttaga tgagctgcaa gctatcttac attccaatcc 480
attaattact ttaacacctt ccatggcaga gcatattgca gaaagctcat ctaattttcc 540
atattggcgt ttgtttctat gcagtatg 568

<210> 42082
<211> 443
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910034d01d1

<400> 42082

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ttttattaaa gccaggatct tggctataag cttcacattc tagacaaggg caagtccatt 180
gcgtctgcta caaagtctgc atcttttgtg gggaaacaca agggaggggt aattctgaag 240
acatttccat agtaaccacc cttaccaata agtactccta gttctttcat ttggtccatt 300
acatgcaatg tttcattttt tgctggagtt ttaagttcac gatcagtac aagttcaact 360
cctagcatta ggccttttcc tctgacatca ccaattaatt catatttggc cttgagggca 420
gggagccttt ctttaaatgg gat 443

<210> 42083
<211> 477
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910034d02d1

<400> 42083

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gcgctaattt tgggtatcac cctatacaac tgtaattgca gctagtaaaa tatagcatgt 120
acaaaatgcc aaatttcaaa ttgtatgtca tatacaaaaa aagaaaaaga aaatattcaa 180
tgaaattaat tatcatttac ctcttgaaaa tttcttattt ttctatagga acttttccat 240
atacacatgc aatcagttaa aaaattcgat ctcaattcat cagaaatcaa tgcttgctgg 300
tctccttgtc aagtgtctac aatctttggt acacatttct tgaatttctt ggcgttttcg 360

gtgagggaca cgatgcaaga cttccactca gatttatctt tattatgtcc ttgacaagga 420
agatggcgga atatgtgaac aagtacaaca gcatccagag cagcgtattc tattgat 477

<210> 42084
<211> 426
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910034d03d1

<400> 42084

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agacaccttt tcgacataag gaaacttcat gtacaaatta ggtacagtct gcacaagact 120
acttatttca aacaacaaaa atgtctgtct aagggtccaat aagagatcta aaaaaaagg 180
aaaggggatt ataccaaaca gccactattc ataccaaatg cgatgcagca aaaagtaatt 240
tcattatctc cacagccttc attcaaaaac cttccatgaa agcaaggaga gcgagtggct 300
acaggcaaat gctttattgt tcagcagagg cataaaaata tcacatgaag attgcgacaa 360
actctcagga ttaagcttca gctcctggtt cctttattag gaaggatgtc ttggataagc 420
ttgctt 426

<210> 42085
<211> 552
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910034d04d1

<400> 42085

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ataacataat taacaccatg aacatgccct tctacccaac tctaagctac ttgcatagta 180
ctacatatat aatatcctta ttgaaattaa aaaaaaaca acagtaacat cggaagatta 240
aaaaacatag cctcttaatc ctcccatccc catgaacctg cagtgggtctc gggttcattga 300
accagcccat ttaaaggaaa agaccttaat tattttttgc ataatatatt acagattttc 360
ttcctcgatc atagacaagg ggaggaaaat tcaaggggtcc tgatcatggg gcttgttggc 420

aacattgcac tgctttctga cctcaccctt tgtgccagtg agaggggttg tctctgagag 480
 caaggtaatg gctctagaga actcctttga gaaatagtct tggctcttgg ccattttctt 540
 cacataaggc tt 552

<210> 42086
 <211> 477
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034d05d1

<400> 42086

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 actggaccat tttaaaaaac aactctcttc accttctgca aataaatgat cactccaaca 180
 agagaataaa atgaaaggat aacaaaagct agaatcaaag ggttacaatc tgcaatgcat 240
 tgcttccaga caaatcgtga tgatagtagt ctttcccttc aataacccta tctatcgaaa 300
 cagtttagaa gcactttctg tgcacaattg atggaccaga ttcgtcatat tctgcctttg 360
 caatccacat ctgctggaag gtgctaagag atgccaagat agaaccaccg atccagacac 420
 tgtatttttt ctaggtgggg ctacaacctt gatcttcatg ctgctgggtg ccaatgc 477

<210> 42087
 <211> 510
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034d06d1

<400> 42087

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 aactttatct ctcttagaat tgccaaggat acataaaaat tagctatcta atctatccct 180
 gcttaaatat gctctcaaaa attagtgaag ctcaagtgtc tataactctt ttttgtatta 240
 gccaaaggcc aacggaaacc tctcactcac tcaaactgta aattaaatta ccacaaccag 300
 tatttatccc ttcaacatag agcctcaatg taaaaaagta gtcctatggt tcatcttcac 360

catctgagag caggtaatct tgaatttgtt cccttagcag actcaaatta ccattgttgg 420
 cttgctttgc tcggccaacc accgactgag gcaaatccat ataaaaatgt tccattgcc 480
 tggaatcact tggaagtatt tgaaaccgac 510

<210> 42088
 <211> 433
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034d07d1

<400> 42088

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 tgaatgggca aaattacttg ctcaagtgag gaacaaaacc gatagacctc atgtgactat 180
 ggttggagaa aatgtttgaa ggactgtaca cttgttggct attacatcca tgaacttctc 240
 tgccagaaat gacacttcaa gatttgattt gaaccactta acaatgtttc aaatgatgaa 300
 attctgccag tgaaagtgtg atctctcttc catgcaatag accaggaagg aggctgcac 360
 ctaccagcca aattgagtgg atttgggatg cggaaagatg tttacctat tgaataaatc 420
 gttgacaatg ata 433

<210> 42089
 <211> 528
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034d10d1

<400> 42089

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 cgacctacaa gtttaacgat cctcaaaca aggggtgtgg gaaagctcgt tggagtcacc 180
 aaccaacatt atttgcttgg caaaacttaa aaaccgaaaa agccaagctc actagctctc 240
 tccttctcaa atgtctcaaa gtactgatag atgattgtta ctgcaagcaa tattccggtt 300
 cctgaaccga tggcccccat gaagtctgcc aacactgtca gagcaccgat ccagatgcct 360

ccaaatgctg cggccgtggg aatgtatcgg ttcagctttt tctgcaagtt tgactcacgg 420
 tgtccaggca ttaccatttg ttggtcctta agctgcttgg caacatcttt agcagatgaa 480
 ccagagactt caatccatgt tttaaagaac aaggcccagg ctgaaagc 528

<210> 42090
 <211> 307
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034d11d1

<400> 42090

cttaaccccc ataaaccatt cccaataatc aaatggggct aaaattgaat ttattatcca 60
 aattttacag gataaatgta actgggtaaa aaaacatgct tttttaaaaa caaaacacta 120
 ttcatacttt gggcattggg tatgaattat cataaaatgg ttaaactaga cactttttat 180
 actgggtcct gactagtaaa aatctacaaa ttccttattc ctatggccat tttacacaca 240
 ttattcgttt aaacaatttt tgggggttggc caaaatgggt ccaaaacatt taattgtaaa 300
 tgcaaaa 307

<210> 42091
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034e01d1

<400> 42091

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 tttattgaaa accagggaaa gtactgcaac aaccatagag cccttagatg gagatactgt 180
 tgggaattcc tctgaaagtc aatccctcct cactagaagg atagagcaaa gtgtaaggca 240
 ttttagccgg cccactgagg tttctcaacg tctcgtcctt gttcttctgt ataagctttt 300
 gttcaatctc ttgaagcttc tttccaaacc tcttgaaggc ctctagtga ccagcatcag 360
 aagtccaata gtcaccacca tctctctccc caaggtagaa ctcatcagat gtgtgccttg 420
 acaagatttc tataattgta aggtcaatga gggctctcct cttgccagta atagtcttca 480

aaaactcctt tttagggttt ttagccaaag ctgcatactc agcag

525

<210> 42092
 <211> 483
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034e02d1

<400> 42092

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 gttcaatttg aactcccatt cttattctta tttatatata tacgatatct aggaaaacaa 180
 actcaccatg tctcactatg aacttatata tatttatgta catgaactaa gaaaaccatc 240
 tgaatgaaag ggaagagggt aaaactgcct agatgtcacc taagataggg gagatactca 300
 gtaaacacaa gaatgttcct tcaccttaga agaaaatgca tgaagaacca tcctgctctt 360
 tcttcagttg gctgacaaca gaacaaagtc ttctaacaaa caaggctagt gaaccaatgt 420
 ggctttacaa catgtgtttc cctcacgacc ggttgaaacac tgccaaatca gtttgctgcg 480
 cct 483

<210> 42093
 <211> 388
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034e09d1

<400> 42093

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 cctagagagt attggtttgg ctaaaccatgc agccaatgct ctttccaagt tatttacaac 120
 ttgagacata gttggtctat ctcgaccttt aagcctaaca caatcagcag ccaaataacc 180
 gacgtaggcc actgccttta tcttaaaggc cgtgggtggg gccacttttt tgtccaacac 240
 tttgggaatc tcatcttgga aatgaatgg caccacaaaa tcaacaacat ttcgtggcac 300
 cccattctcg tttttatgga tggccttgta accggagagc aacttaagca aaaccacccc 360
 aaagctgtgg acgtcactct tgggggtc 388

<210> 42094
 <211> 400
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034e11d1

<400> 42094

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 aatggtgttg gcttccgcca tgcactttaa taccataat tacacagata gcagggcatc 120
 tattatcatg ataaaatcaa acggagaatc tctccagaga gcttgaatga tttttctggt 180
 tcttccagac agtggtcctt ttcttccga ctccaagggt cagcaacttt attcaacttg 240
 tctctcacat ttgcaacaa tegtgaagg tcatcatccc attttagaa cttcaacgcc 300
 ttggtggtaa gtaacttttc agcaaccttt ttcccaatca ttcgaccacc aactgaatga 360
 gcaaagttga tattgtgaaa atggcaaata aatgcttggg 400

<210> 42095
 <211> 473
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034e12d1

<400> 42095

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 attacagaaa atatacaaca atcattataa aaaaccctaa ggcaatccct caaccccgaa 120
 gaaggtagta acttccctcc tcttttttca atcctttaag actacattta tcggcattaa 180
 taaagttggc cccacattat taggttgaaa ccttaaata atattagggg caggggatga 240
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 gcgaagagac cctttcaatg gccatgaaag ggacattatc tggataaaaa tctcttccc 360
 aaattcagaa ttccttgtgc ctaataagcc gagcaagttg caaccataaa actggttccc 420
 ttcagccctt atcaaagtct gggtcatata ttctgcaact gggaaaagga gat 473

<210> 42096
 <211> 514

095443.03200

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910034f01d1

<400> 42096

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ggcatgaaca taaaccttaa tactacatgt aaacctccc aaatcccttt ggcttcccat 120
catcatggta tttctattac cactacacag tatttcctac tatctatggt tttagcaatg 180
ccatgctgaa gctgatatca aatttctgtc ctccacccc aacaacatgg ctccatcctt 240
ctccaccagt gtatagtgtt ctgaatagca catcaaagg cttcttatga cagaattcac 300
ataagaactc aaaggacact gacggaagcc ggccatcgtt aacctcgact tccacttgcc 360
gaacagttca tgtctctcaa ccttttctt gccttcacaa gcaatgatat tcacaatatc 420
cctggccaga caatggtgct ccacattaat cctatccttg ctatctcttg ggagggtgac 480
atcaatggac tcaaagaatg ccaaggagta atcc 514

<210> 42097
<211> 367
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910034f02d1

<400> 42097

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agattgcttt attttagca atatatttgt acattaaaga aacaaaaaaaa gtaaaatcaa 180
atcaaataag ggtgacataa ggaagaaagg aaaaatcttc tcatactcct ttggagacct 240
cttcagaaag cagaaaacta cacaagtga aatagaaggt tccatgctgg tcaaaatttt 300
caagccctaa gatctggagc taccactgct atctggtaaa gtgcgtcaag ttgggggaaa 360
ggagaaa 367

<210> 42098
<211> 505
<212> DNA
<213> Glycine max

09531413.032200

<223> Clone ID: jC-gmro02910034f03d1

<400> 42098

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tcatatTTTT tatatattaa cacttcttcc agatctggga gtaatcataa atagctaaca 180
caatcatgtc taaatgttat ggcagccatt aatcacaatg ataaaacagt tttaacacgg 240
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tcctggatga atagatgata gccttctgtc tgggcaggat cagcaggatt tggctgatca 420
agtaagtctt ggatgccac aagaatttgc ttaactgtta tggctggtct ccaccacta 480
tcctcattaa gtatagacaa gcaaa 505

<210> 42099

<211> 472

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034f04d1

<400> 42099

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tggcagagtt gccatatgca tacatggact aatagcaaaa atgcaaaatg tatgaagcat 180
aggaaagggg aaaagtgaat gatacacatc ttatggatca aaaaccaaag ggcaaagtct 240
aagtcttaga accataatca ataatatcca aatcattttt gaaggcccca atcttccaaa 300
acaaagtaag ggttctgcag taacaggaac ttaatcagaa tcctcataca cttctccatc 360
atcagataac tcataaatg atctgatgtc aagctggtaa cgaagaattc caccaatgcc 420
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<210> 42100

<211> 477

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034f05d1

<400> 42100

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ccgcaaatac atccctttct tgtcagagac aaatagagaa aaaatgaatt aagctcaaatt 120
acattcttac cgtgtctatt gaactaataa taaaccgcac taaccagcca cagcagatag 180
taatgttcta ctgtataata ttcattgacat tcccgcacaaa atgactgctt aacctatttt 240
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aggactttta cagtacttgc tgtgattagt tctcagcata cgtagttcac aaactatgag 360
agtccagtaa gtgcagtatc ctccatggta aactgttctt taattccctg tatcatctta 420
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<210> 42101

<211> 510

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034f06d1

<400> 42101

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ttacgtataa ttgctctaga aaccaaact ataatgttcc tcattcttct gtacttttgg 180
tgaaaggaac atttgcttat tttgctgcac cattcttttt ctctcaaact atttcacaga 240
tcacatgtct tatttttttt ctactttctc aacctttttt tcacttctat tggatttttc 300
ctatatagac aaacgctatt aacaaggaac agagaagggg acacaattcc agcaccggcc 360
ttttacagca aaaagctcga gtgtgttggt acgggtgaaa ctgcacggag aaagttgcgt 420
tttgaggtaa aatttatcag ggggcattat agcaaataac ctaaagttac tactaactta 480
atttctagta ttctatgact agcccaccca 510

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<210> 42102

<211> 411

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034f07d1

<400> 42102

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ttgctcacag agcatgctaa gacacctaaa tattccacac acagttattg aaacaaccca  180
atatagagaa aatttttctt tgggtgtatta taatataaag cagaaccaa tgacttggaa  240
gattctactt tcttatacca ttcacttggc aagtctgttg cggatgagtt ttgctgcggc  300
aaccatgttt gtgagggtg gcttcacctt agtgtactta cgggggttga gcccacagat  360
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<210> 42103

<211> 584

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034f08d1

<400> 42103

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aattagcata gaaccataga caaggcaaat tcaagcaaga aagatcaata gaagctgtaa  180
gttatgtagc actttagaat ttaaaattaa attggtagtt caaagggtgca aaatggctct  240
gcttagcatc tccaagttga aactgagatg agatccttcc ttgcccagca aagaacaagg  300
gaagactgcc tcttctcaac atggaacccc ttactaggag tcctctgcac caaacactct  360
gcctgggatt ctgtaaagtt actaaaggtc aatggtgaaa acccagatga caagagaagg  420
tttttccaag gaagtgtctt ttcttgcaaa ccatgtcgac ccaagacaag cttctccatt  480
gatggctgaa gataatactt ctcaatcatc tgaaggacat ctgggtgaac attaaccgca  540
tcaagtgact caagcagccc tgaatagact gaagtgcaaa aatc          584
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<210> 42104

<211> 520

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034f10d1

<400> 42104

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gattaaggca cggcttaaaa ttgaattgat gggtaaaact accccaattc gaagcttttc 60
caatcaagat ccaaattcatg caacaacaaa aaaaaaagca actttttttt tcctttctctt 120
tctctctctt tatcgaaagc ttaatcacia aactaaaatc acggacatta tttataaaac 180
tcaagtgcga caaactccaa atgagaaaga aaaagccggt tcctccattt ctttatccaa 240
ctcttttatcc tcagtttact cagcagcaag gggcacagac tcagccaatt tgcggtactt 300
gagagcatag aacatctcga gatagcggcg gctctcacgg cgggtcaagg tagacacatg 360
cttcacagaag ccatagacac cgggtgagagt gagaagcctc tgagagtaaa tttgccatgt 420
gtactttctt tcaatacgtt ggagaccagc ctttgagatc ttgtcccagt gagttgggtc 480
aagcttgcat ttttcaaaga agtcaacaag gagatcagca 520

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<210> 42105

<211> 537

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034f12d1

<400> 42105

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aagttaacga tgatttgtaa tttccaaaac gagaaaaata acaatagagc atcacggatg 60
catcaaccca taaaggataa aggggggtgca gaaacaaaaa atgcctctgc aaatccgtgc 120
atcgactaa atccttaagg aactgctact gatggatcat ggatataact ccagtatcca 180
gacatgttct ttctacacat tcttcgggtc ggcactcatt ggcattgggt aagtttcaca 240
aaggtgattt tagtcattca gtgtacatca gtatgcttgt tgaacctttt tttttccttc 300
atattctgaa caccacact tatgtacaaa agccaatact agcccatga attagtttgt 360
caccaattta caatccccct attgagaatt aacatcctga aatttgata taaaatagta 420
ccaagaagg caagaacctt agtcaccaa tgcttcaaca tgcactaaga aattgatgac 480
tattagtcac tcagtcaagt tcgaaattct ctacttcga ttctactggc tccgaac 537

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<210> 42106

<211> 464

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034g02d1

<400> 42106

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ccaaaattgg gaaggtatta ggaaaaactg aaaaattcta gatctcgtcg aaggaaaatg   60
ctttctcaag tgacataatt acccggttggg tggaacatca gcatttctag atattgcttt  120
atgaaatatg acaatcaatg gtttaatttg atctattgag acatgaaggg gagccaagtt  180
aaactcattt cattggtagg aactggtttg ccgagcaggt tgatatcata agatcactaa  240
ctccagaaaa tcagcggttt caaagaagat aaaaagaatc ccatcgcgta tgaccgggat  300
aaaccttgag tattgatatt ctttaagagat aacagagatg aatgtccagc attaagtcca  360
tgaaaaccaa tgccatatga tatacttcca tcagccttga acagtccata gtttttttca  420
gatgaatgcc caggcttctc gttctcgttg aaaatgcaaa aatg                        464
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<210> 42107
 <211> 490
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034g03d1

<400> 42107

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aagaattgaa atttgctttg attgaaatca ggttacaagt gtaaagttgt gcgtgatttg   60
gtgacaatga tagatgatta gttccaaatc cctcaatggg caggggataa gagaaactag  120
agaaagaaaa aaaaaagaaa aaagaaaaag aattacattc caccctccca gtatacacaa  180
ggaaatgaca tcaatatcta tgcagcaata gagggatggg tttggttttt gtgctgtgag  240
tgcattcattt aggagagaca ttatctccac tctttgtcat tgtcagtttc ccttgcattc  300
agcttcttag catctcaagt gcagcttttg gttgatccat agggaccatg tgaccagcct  360
cgtatacctt gaggaagag agaggtccat ggcttttcag cgttcctgct tctgcaccat  420
caactaaaaa tgggactgta ccagacgccc caaattgttt ttgaccagac caattcattg  480
cattaacca                                     490
```

<210> 42108
 <211> 401

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910034g06d1
 <400> 42108

gaaacaagaa taccaaagta taaagttgta taacaaaagt ctaacaaaaa ataatatctg 60
 tccagtaact aattatttga tgggggatcc aagatggata cccctctaata gtttcaaacc 120
 tgataaatca aactgaactt cacttacaat ttgatcagaa acatgtccca tgaaaaagat 180
 ggtgacaaga acaaacagct ttgccaagca ttacagtggc aaaaaaaaaat tcaaaaatta 240
 ataaactatc attaagcata ctaaatatgg tgcattcttc cagcaatgca ctattaaact 300
 actggaacca atctttctga gtatattccg caatctgatg ttacacctca atcaaattcc 360
 aagaaaggaa cctagccttg aaaaataaag acaaacaaaa a 401

<210> 42109
 <211> 537
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910034g07d1
 <400> 42109

gcagcaaaat tcttattata ttcaataactt gcctgatggc aaatggcaat gatttcgatt 60
 ttgcaaatac tagcaaagat ctaagccgga cattttaact gctcaacca cggtaaagata 120
 aaatttcgca tgatggataa gataagcccc atgacaacca ttactactgt caaaaaaac 180
 taaataaacg gcactgcccg aaatcaaata tcattctcaa taatcaataa tgtatgagat 240
 aaaatcaaat ggctccactt atcgaggagg tggaggagag agtgggtggc ggttcgattt 300
 tgcaaatccc acccatgcaa caatgccgac tgccagaatt atccatcaa atatgtcata 360
 cttcagatca ctggtcttct ttttcttctg agtatttgtc gaagcagaag tagaagatcc 420
 agctgttgct gctgcctgct gctgctgctg ctgaccaa atccatgcttat ggatttctac 480
 atgcagttca agagccttag cagccacttc caatgatttg cggaaagttc attcgaa 537

<210> 42110
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034g08d1

<400> 42110

gcagcaaaat tcttattata ttcaatactt gcctgatggc aaatggcaat gatttcgatt 60
 ttgcaaatac tagcaaagat ctaagccgga cattttaact gctcaaccca cggtaagata 120
 aaatttcgca tgatggataa gataagcccc atgacaacca ttactactgt caaaaaaac 180
 taaataaacg gcactgcccc aaatcaaata tcattctcaa taatcaataa tgtatgagat 240
 aaaatcaaat ggctccactt atcgaggagg tggagcgaga ggggtggcag gttcgatttt 300
 gcaaatccca cccatgcaac aatgccgact gccagaatta tccatccaaa tatgtcatac 360
 ttcagatcac tgggtcttctt tttcttctga gtatttgctg aagccgaagt tgaagaacca 420
 gctgttgctg ctgcctgctg ctgctgctgc tgacaaaaac catgcttatg gaatttctac 480
 atgcagctca ggagcc 496

<210> 42111

<211> 471

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910034g10d1

<400> 42111

gccacagcct ttatagacaa accaaatgct tatatcaaca caaacacgta tacagaaaga 60
 aaccacttga agaaaacaga agaaaacaaa actaacaat tggaagtgga gcaccattcc 120
 actctccaag gcattccaaa agtggatcaa tgatcttccc ttggcacata gcagtaaaaa 180
 ctttgtcaca ctcttcaccc ggtgagacaa ccctttcacc agtaagcaat gctgtcccca 240
 actcctctct cacaaacttg tacaaggggt aagacctgca ttccttgatc ttgttgggaa 300
 tagcacattg gtcattctca tatgcaactc ttgcaccttc cacttcctta ggcaaaaggg 360
 tcttcaactc ctctcaaat gttgcgatct tttggaagat tgatgtgttc gtgttcgtct 420
 cgttctcccc attggccaat gcatagtcca caagcacttg cctcaggttt t 471

<210> 42112

<211> 330

<212> DNA

<213> Glycine max

[illegible]

aaaggatctt	ccatctattt	actggggaaa	tgggtccaag	gtaaactcaa	aaacactaac	60
tttaagttct	attcctaatt	tttaacgatt	ctatcctaaa	attttcacca	catttaagtc	120
tactactttt	tggcctacaa	attgtttgga	tgattacttc	ggttcccga	aatcgttggc	180
caaattttgc	ccccccaaa	tcccgaaggg	gacaagcccc	acattgaaac	ccgtttctcc	240
aaaagcgacc	cacaaaacaa	gggtacaatc	ccttggccat	ggttttgagc	ccccccctta	300
aaggaagccc	atggaacaaa	agcctttttt				330

<223> Clone ID: jC-gmro02910034h01d1

gggtaacaag	cgcctctccg	gaaaaaattt	tttttgttcc	caagtgggaa	tttggggagg	60
acaaaagggt	aggtcagaac	ggtcaagact	tatttcgggg	ttgcttaaac	aatagaaatt	120
aacttatcct	tttttatcaa	acactttggg	ggtgggtttg	ggctaaaaag	caacaaggaa	180
ggggcatggt	ttcaagcaaa	aaaaatagat	ttggggattt	ttacaacctt	cattaaggga	240
ttaataaaac	tttaagattt	gcaaagcccg	ccttggatag	caaggccaag	tgctgatgg	300
ggggggggaa	tcaggggggg	caattttaaa	tttgccatag	gggaaggttc	aggggctttt	360
tcccgc						366

<223> Clone ID: jC-gmro02910034h05d1

attgctatac tttttttttt ttttggttc attttttaat tatttaatta aagaccaata 60
aaacacctgg cacctataaa acccaaaacc accctcccg agaaaaacac gaatctgaaa 120

aacaacaaca cacaacagac gagccagaaa aaaaaacaca aaagcccgga ctgcctaaag 180
 agagagcaaa cacaaataaa acgaagagcc cccactgcct gctttccacc 230

<210> 42115
 <211> 391
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034h06d1

<400> 42115

ggttaaaaaa aaaacaattt tcattgctcc cctgatttat gaataagcgt attttatttc 60
 ccggggaagg gaaaaacaaa atacctgtc caggcccca aaaacagtat tgggttgat 120
 tatctgcact ggggcgaatc gggggaatgg ataaaagaaa aaaaatctaa aaatttggat 180
 gggtaaaaga attttttggc cggacgccc ggattcaact gaagaggccc agggggggcc 240
 aagggtcttt tttccatag aataaacttt ttccgggggt gcccatag aataaacgcc 300
 cttggggccc cccaacggt aagaggggcc aagaaagggg ttatggtttc cttctttgga 360
 tcgctctccg atttattatc ataatacgaa t 391

<210> 42116
 <211> 563
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034h07d1

<400> 42116

agggttaata tattgaaatt gatgattaaa tacaagcttt agatccaaga atacaaacaa 60
 caaattatct ccttctcca actccaata caaactttta tagcagacat gagattattc 120
 cataaaataa aaatatgata caaacttaca agtgtctata tggcttcata gtcattctgct 180
 gcaggggctg ggggagcatc agctagagca gataacacaa caaaggcacc aaataagatt 240
 gtgataatgg cagtgaagtt gacaagcaaa gcctcagaac catatttgct caatcctgag 300
 ttctcaagga aagtgaagctt ctccagaaac ccaagagcag cagtgccac agccaagaca 360
 aatacaaca gccc aaatag cgcggtgcaa ggaagtgagg cgcgctctaat gtctggagtc 420
 ccaccaggga agaaaaagat cacaaacca tatatccact gaatgccata aaggacaata 480

acccaattc caagccatga atgcaagctg tagagattgg caatcccact ttcattgtga 540
acttgaagga gtataaatcc aac 563

<210> 42117
<211> 542
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910034h08d1

<400> 42117

aattcagtat tcctactaaa tatgaagttt aatactattt gtactccacc taaatatata 60
aaggtgggtt aaaaaaatcc acttgcacg caaaaatggg tgcacatctg taatagcaaa 120
caagaaaaaa cacatttcat ctctgcgaaa atctcaaatt cacgtaccca attaagcacc 180
cgagcctata ataataataa taataataag taaataaata aataaaaaaga caataatgta 240
actaaaatct acaaacaac acggaggaaa gcaccaacac caactctgtc gttttcgtta 300
aatctagcat tacttccgac aacagcatga agtggctctgt tttccagaga gcatttcagc 360
ccttttagctc aaaacccaaa ttttcttctt ttaatgtttc ctctttcgtt tcttcagtct 420
attggttggt ctgctacat tactagagcc cactacttgc tctccagttt tatcttctaa 480
gggtaatggt ttgatttcat catagaaact ttctgttaga ccttgcaacc catttcttga 540
tt 542

<210> 42118
<211> 536
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910034h10d1

<400> 42118

gtaatataca tgattttttt ttctcaaatg ccaatgatga caaggttctc agagaaaaga 60
aataaaagca aaatataaca cacaagactt cgatattcta ctttcacagt taagaaacat 120
cgaattcaaa ggaaggagta acttgcctt aagtcaacgt acaggttact catgcgactc 180
agaagaatga aaaaataaag atgtttggga caagcccag aaaaataatt tgggtacttca 240
acttagaacc acgtgtaata tgaaccatcc tactgagaag aaaacaaaag aaaggaaagg 300

aacatgacaa cgaacagaag tgacataact aaagaactaa taaataataa gctcatgtca 360
 gaaatctgca aagacggtga aaagatcacc attgatgtaa tcattgtcga ccaaactcac 420
 caagaagtag ctgcccccaa ccttttaacc aatttcttgg atgcatcacc ctcagggtac 480
 aagcttgccc atcctcttga ccaaatatca aatgccttat ccttccatac attgaa 536

<210> 42119
 <211> 534
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910034h12d1

<400> 42119

ccaataaatt ccatgtgggt tatagctatt atactttgga tcatcatact ttactgtttt 60
 cttagaatac gagactgaca cattacataa ctttcttgag tggatcatgat actaatatct 120
 tcttacatat aactactttg agtgggtcatt ttgttctcac attacatacc ctccactggg 180
 atttttgtgg tagctaaaat tattgtttat ttttctcaa ttgcttttga cacaatctat 240
 acaattgtac attagtggaa aaggtaaaac gaaatatatt tatttttctt tatttgtaca 300
 gaactggatt aacatcttgg tttttccact ctgtcaaatg ttgaaatttg actaaaaaag 360
 gatttcagaa attttctaag tgctggcttt ggctcgcttt actggggcct gaagggaatt 420
 tagataaatg gcgtcctttt tgtccagtcc atcaaacaga taactaaagg tggcatttgg 480
 atgtatctcc cagtgccagg agtgaccttt aagtcattat tttccaaca actt 534

<210> 42120
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035a01d1

<400> 42120

aaattatata ttgcaaattg tgcacatgcc aagatccagt ataaaatgag tcgcacttct 60
 acaatccaga aaaaaaagg gtttgggttg gttggggttg gggcaatgat aatactatgc 120
 atttgaacat cgatttgatc cgcttgataa agataccctt ctttcaaatt tagaattcgg 180
 aaaacacaag ccagaacatc ccaatgggaa catcacgctt agccctacga atcgagttac 240

tggcctgagg tatttccaac tcaagatgca ctgcctagat atccatggct ctgaaagaat 300
 ttctgagtag attctagtct ttacaaaaat cagcactgta ttgtgactg gattcaagtt 360
 cctttgtctc gttaagcttc ttacagcct ttataaattc ttcattggatc ccataataac 420
 gctctgtcca aaatgctgcc attccagctt ctgtgcagac attttt 466

<210> 42121
 <211> 546
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035a02d1

<400> 42121
 catccaaata tagtaccaat ttatttcgac aacttgggaa attacatttg agtgacacca 60
 aacttgtaat agtcaagatg cccaactcca cgacagcgct tattcacggg gcatacaaaa 120
 taaaaaatag caacagctaa tcatgaaaga aaaacataca aacataacca cagtaataat 180
 atgaaaccag tgaacaggat ttgaatcaac gcatcagagg agaggtttct atctgaccag 240
 aggattgttg tgagaaaaat aaaaaatgaa acccaacaca aaggcaaagt cccgcctgca 300
 caagggacta atatgagcta tcctatgata tctgatcaca atctgagacg atgtggtttg 360
 agagtcttgt aagtcactgg ctccagaagg ggactagtgg gcttgctctg cctccccag 420
 tacgatttgc acggaacgta gttaaataaa ttccgggttcg gacaatgttt ctttggtttg 480
 taaaactggt agcattcttt gggagacttt tgggttacgaa gccccggaat gcattttcct 540
 gacaca 546

<210> 42122
 <211> 344
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035a08d1

<400> 42122
 gactgggaaa agaattctca gcttattcat ttaacattta tttaagatat cttatacatt 60
 gaaactgtca tatcaagggg ccattccttac agcaagcatg tcttgtaag acaacacttt 120
 gaacccatgt cagccagact aacatctggg tatatataga actctcttca gactgcaaaa 180

tgcgattatt ttgtgcagcc tcatgtgcta ggatagcttt ctagccaaag tttatcccct 240
 gagctaattgg tagttcactt ccataattga tggtagatgt agaacgccgc atgtattgct 300
 tccatgagtc acttcccgc tccaggccac cacctgtcgc cttt 344

<210> 42123
 <211> 534
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035a10d1

<400> 42123

aaataaactg tcataattaa ccaaataagca catgtttttg acatttaaca gtctattaca 60
 gaaatctagg gtccttcaaa tcctcaatat taaaactaag acgccaatag ggtcagaagt 120
 ctcaagttca attaaaaaga agatcaaata taaaacccaa atgccttttt tggctaattgt 180
 caattttact agaaaaactt ggtagcactc accatcatcc acaacttctt caattgcaac 240
 aatcagagct taccgagaca aactcttgct cctgctcctg ctctacttg gactcctgct 300
 agcactgcgt tttttggggc ttttattacg cggaggcaat ggagacctgg acctggaccg 360
 tgatcctgat aacgaacggg accttgacct tgagcgagaa cgagagggag atcttgatgg 420
 agattttgca ggtgaacgct gtgaagactt tccttttgga gaattagcag gtgaacgctg 480
 tgaagacttt ccttttgagg atttgctttg gctccgggtc cgactgtaac tatg 534

<210> 42124
 <211> 526
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035a11d1

<400> 42124

aagacaacca taatttgcac tataaaatcc gacaaacaaa atttccaaat tgtctgcata 60
 attatgataa ccttaactcg caaaacaaaa aaaccaaaga tatttagttc ttgatgggca 120
 tacaaaacaa aaatctaata cgaaaatatg aatcataaag tttactgtga aacacccagc 180
 cacttagaaa agttgtcgaa ttctgtataa tcagaatctg acaccatagt gtgataccat 240
 gctttcccag cagacttgat ggacagaagct tcctccttag agacagtctt cctcttcttg 300

tcgagctttc tccttcttgg ccttaacgcg ctgagcttta gcaagaagag ccatectctt 360
 agcagtcttg gcataaggat tcagcttcac atagagttca ggttcttagg agggttcttc 420
 ttcaacgtgg ccttcttcac atccttctta atgggcctaa caacagactg aacctcgtca 480
 gaattaataa tcctggcaag atcagagtta acatcttttg gcctgg 526

<210> 42125
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035b01d1

<400> 42125
 atattaatat tggatttgat tcaaataatg aaagcgtaat tgtgaagagc cacaaatact 60
 atattttaat aataatccat gcgataagta tcaaatcata taacaactga attctacgaa 120
 ttcatactaa ctacggaata ccaaaacaaa actggggagc caacactaca ggaaagttaa 180
 gaaaataaat attaaacttt aagtatctgc tagagttgcc accctactca tcatcagcaa 240
 atttggctct tttccctgtg ccttcgcgag caaggttggg tctatttccc cgaccccttc 300
 caccaccacc cctttcacca aatcgaccac caccacttcc accaaatgga ccgtcaccac 360
 caattccacc aaatcgaacg gcaccacccc tagcaccaaa tcgaccaccg tcaccacccc 420
 tagcaccaaa tcgaccacca ccaccactcc taccaccagg acctctacce ccagaaccct 480
 gattatctct aggtttgggt tcateccact 509

<210> 42126
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035b02d1

<400> 42126
 atatcttatt cgatccaaat aatgacagcg tcttggggaa aatcctctac tcctctctta 60
 aaattataat ctatgcaata agaattaaat catatatcat ctgaactcta cgaactatga 120
 ctaaccaccg catttccaca caacattcgg gaaccaacac tacaggcaag tttttaatct 180
 acatattaaa cttcatgatt ttgataaagt tgctactcct atcacatgca cca 233

<210> 42127
 <211> 533
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035b04d1

<400> 42127

aaccaacaaa gtttactcat ttggaaatga acattgttca agaacaatta gatcaaagct 60
 caatgcaaca ccaaggatgc cacaaaaccc tcttatlttg aaacctatcc tatattaagc 120
 ctctacagga gcaagagctc gcagctctca ttgtacctta atccactgtt ggctgaaacc 180
 caaccataat aataatataa agcacaaact tcaaaggaac gaatgatttt tgctcaagca 240
 tcatcaagag caaggacacc agggagttgc tttccctcaa gaagctctaa gctggcacca 300
 ccaccagtgg agatgtggct catcttgtct gcaagtccaa ccttctccac agcggcaacg 360
 gagtcacctc ctccaatgat gggtgtcaact cccttccac tcagctctgc cagtttcttg 420
 gctatagcct ctgttcctgt ggcaaaactta tcaaactcaa aaacacccat tgggtccattc 480
 caaataatgg tctgagtcgt atcaatgctt caccaaagt cttgatggaa tca 533

<210> 42128
 <211> 448
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035b05d1

<400> 42128

ccaacaatcc ttgcatcatg ttcgaattat aatttacata attattacag gcggtgaata 60
 atagataaag gtacagttaa aaatgcaaaa agccatgaag ctcgagacat caaacgggg 120
 aacaaagatg aaacttgaag ggacaggaca cacaagtga tagaacaaga agtcatattt 180
 ttcaagttga agctcaaggg taggtttcag aggctgggac agccgcatat gaaccaatga 240
 agacgtctcc ataaatcaag ccagccaaac ctcttccaat caatgggcca acccaataga 300
 tccagttagc agcgaagtct ccaactgacca cagctgggcc gaatgagcga gctgggttca 360
 ttgaaccgcc actgaatggg cctgctgcta agatgttggc acccacaacg aaccaatag 420
 caatgggtgc aatgataccc aatgaccc 448

<210> 42129
 <211> 538
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035b06d1

<400> 42129

aaataaacga tatactacaa tgcacaagtt ctacatacat gacacatcct tataacaacgt 60
 ttagccatga aattggaaaa tactgtacag taagagatgt ttctttgccc cttaagttat 120
 tagccctaca actaagtgtg tagaaagtca caagaagtcc ccttcctgca acgtccactc 180
 tcataatact tgcagactac tctttgtccc caaaaggag gcctggaaga acctcctctg 240
 ccaaatgatg actgcctatt ccaagattta ccaccgtaac cagaatctct acctgtgca 300
 ccacgatccc catggttggg gaacctgtct ccattatgac tttgctcact tccccacatg 360
 cctggattcc caaccggtgc agtccaacca ggattggcat ttccaggtgc tagccctga 420
 ccaggcccaa cccaacctgc atttgcattt acatgggaac gtccttgacc aggtccaacc 480
 cagccacctg cattcactgg aggtagcccc tgactaggag cagcccatcc tggatttg 538

<210> 42130
 <211> 505
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910035b07d1

<400> 42130

atgtaactag ctaatcatat taaatgggtca tttgcagaga agacaattaa ttagtacaag 60
 ctacttcaaa taaatttcag tgactacagt aatcaaagtt aaatccccat gggtccaaaa 120
 acttntctcaa gtgcaagcct gtgcagttat agagatagca tgacaccaat tcatgaatag 180
 agtctaagct tctctagttt ccaggtacac actatataac ctaccttatg acagcaaaag 240
 aaaaaataa taacagaccc ttttctcttc tcctaacaga aataatatga actttaccaa 300
 caccttcaaa cccagctac tcacacttga tggaccggta tatgtgacga acaaagagca 360
 gggaggcacg gaatcctacg ctaccgagca tgaggaagaa gccatagcag atacaggcca 420

tgtaaccaaa gaagaacgaa gtttgcataa aaccagacat atctgacgt gcatagtagt 480
 aatacaagca atagccgtag atgaa 505

<210> 42131
 <211> 318
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035c03d1

<400> 42131

caatctcaaa tttcatcacc atagataagg aaaaaaactt ttggtatacc ctttttttac 60
 cagattaagg cctaaaagga aaaattacat atcttataac ttctcatgga ttctcattaa 120
 tattttatg aaatttttaa ataactacat caattagctt ttatcaccat tcaccacaaa 180
 tatgataact agaaactcaa cattctgggt gatctaaaaa cttcctttta gtaaaactgaa 240
 ttactatata ccaccttgga tagatcaaaa ttaatctgta cctacaaaac ctcccgttta 300
 taaccataca atctctac 318

<210> 42132
 <211> 86
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035c08d1

<400> 42132

caatactctc ttggggaatg gtgataacta caaaacacac ttcccccttt cccaatattt 60
 caatttttct cttcctaatac ttttttg 86

<210> 42133
 <211> 301
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035c09d1

<400> 42133

gtcaaaatat atattgccat tgggtttggg tctgtaacag aagcagcgaa gcataaaaaac 60
 aatgcatcca aattaaacc cacaacggtg ctggtgcatt ttgaacatca aacacatcaa 120

cagaaaaaga ccacaagaac aagaatctga agtagattct agtagtcttc gtcctcatcc 180
 tggccctcac cagactcagc acccactttt tcataatcct tctcgagggc tgaaagatcc 240
 tcacggggtt ttgaaaattt acctttttct taccttacac cccttcccat tgaccaagg 300
 c 301

<210> 42134
 <211> 494
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910035c11d1
 <400> 42134

ctcgatatga ttttgttaca cagattcctc gtaaggtag gattaccaca actagaacag 60
 ttctatgttt ccagcctaa taatcttaaa atgggtatgt acttcaccac caacactcac 120
 ttccaaagat tgagatacat aatttaccag tccaacaaac ccatgttgac tcaagcgaac 180
 acgcataggg acccaagtaa aaactagtag atcactaaag catcgagacac ataatactgc 240
 taaatacaat cctcatttg tggcgctcaa tctttgctaa ttcgaagcag ggacaggaaa 300
 ccgacctcgt cctattgcga agccacgtgt tccatctggc attcttggtc caggggggtg 360
 cttegatgct tcggcagcat gagttgatgg tgtacttcca tggcccatc catttccagc 420
 acgatattta tgtntcttg atcttccttg atttctatac ctctgcccac ctttgcctt 480
 cgacagatga tccc 494

<210> 42135
 <211> 322
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910035d09d1
 <400> 42135

cggggggaaa tctgaatcaa accccaact ttaagatgaa aactacaaaa ttcttggtg 60
 aaaacaaact gccaaagaaa ttttagatgg gaataattta aaaaaacttg ccacattgg 120
 gggtttaaaa acctaactta acagaaagtg tgttgagaaa attttctctt tatttgga 180
 actgcgaatg gcctaaaaac agggattaaa attcttgact ggttggaag cttggaccac 240

002250 E T F E 50

ggagtttggg caaaccctc ggttttaacc cttatatatg catgcacacc ctaatagacc 300
tggtgagctt ggaccaaatt aa 322

<210> 42136
<211> 479
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910035d10d1

<400> 42136

gggggagggg gccatttgca tttttatcaa ccatgtcaaa aaatgttttg agcctagtat 60
caaagctttg gtcaaaaaat atgaccccag aaattccttt atttgatct ttggtaatgg 120
aaccctctg aatacctttc tgcctagcaa gagtttcaaa aagctttttt gcataagcct 180
caaacttttt gttcaaccct aagcattggg caaagagagc ccgaggaaaa tagccctcag 240
gggtagcagt aagcttgtga aagcgctttt tcaccttaac ccattctggg ccaccattgg 300
ttttgctgat aaacttgagc cccgggagag catgaccac tgcagacttt gtcctttcaa 360
agggtttggg cgctggtttt gaaaatgatg ccaaacyctt taactgcttc atgcgaatgg 420
cagcactctg aaccacagag gcaccaaagg atgttttttt ttcaaacctt ttttttccc 479

<210> 42137
<211> 545
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910035d11d1

<400> 42137

aaatatcaat tttgtactgt gttttttttt atagttgacc atcaagctgt agatacacia 60
tgccgtgttg aatggtttat agacaatttt agaacaccaa agtacttgat gccttaagtt 120
aaatttaaca ggcaattcaa aatgatagaa acgatggaag aagatggatc taacatcgag 180
aaggcctatc ataagttgga ggaagagaag ggcaatactc attcatgttg gcatatggct 240
ccaagggtgtt atagccaggc agttccatct tgtattcacc aagaatctga cagaatggaa 300
tccggtcatt ctcatgttg caccaacttg gtaggcgtgt ttgggtgtcc tcgaaaattc 360
tgagcatgta tgcacgcga atggtgaact cggttacttg aatggaatta gcaatgggac 420

caaaaacttc agcctcttta tacatagaaa ggataaaggc aacacaagtt gtcgactttc 480
 catcactgta tacccattca tcttggtctg gaatggtgag taattcatca aaggtattcc 540
 acgct 545

<210> 42138
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910035d12d1
 <400> 42138

atgtaataat agttgtacct atattattta catgtaaaaa tacttgcaaa cacattttat 60
 cttttgtata ggtagtggca cctatatattt tttctttggt aacctaaaga ataaaatctt 120
 agatgcttag ttggactaca ttaaccagcc caacgtaaga gtttcattca ttatgtccca 180
 aaaagggatc catcattgga gaatggaaaa ggcaaaaaaa cttattttgg gggggagaaa 240
 ataactatgg tggcccttaa acctcaatta caatttaacc agggaccctg aaagaaatat 300
 tttagaagaa taataaaaaa aatggtgaaa atgaatgtga aaaacacaaa ctcagctcag 360
 ctttttcttc tccaggatcc aattatggac tttgttgaca tattgctcat ttattttcaa 420
 atgtaatagg cataattttc tgtaaccctt caagatatac ttatctatgt aatcttcata 480

<210> 42139
 <211> 515
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910035e02d1
 <400> 42139

aatacaaatg tatctctcat tcaatgatag caatacatag agtataaacc aaggcaaact 60
 ggctgagtca atgaaaagca ttaaggttac attctgaaag aaagaaacca gaacaaggag 120
 ttcaatttga actcccatte ttattcttat ttatatacat acgatatcta ggaaaacaaa 180
 ctccaccatgt ctactatga acttatatat atttatgtac atgaactaag aaaaccatct 240
 gaatgaaagg gaatagggtg aaactgccta gatgtcacct aagatagggg agatactcag 300
 taaacacaag aatgttcctt caccttagaa gaaaatgcat gaagaaccat cctgctcttt 360

cttcaggtgg ctgacaacag aacaaagtct tctaacaac aaggctagtg aaccaatgtg 420
 gctttacaac atgtgtttcc ctcatgaccg gttgaacact gccaaattag tttgctgcgc 480
 ctaaacacaa ctacaaattt ataagctaca tgatt 515

<210> 42140
 <211> 69
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910035e03d1
 <400> 42140

aacatagtagt ttatcaccgg gggacaagga gcggatacaa atcaaaccac acattaataa 60
 aagaaagac 69

<210> 42141
 <211> 148
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910035e09d1
 <400> 42141

acaccacatt tttataatgg gttgaagggg aacaacaaaa aataaaactcc cctttaacgt 60
 tgtggactaa agggaggtaa atttgtatgg tttggggaac taattgagac gtttttatct 120
 aaattgataa agcgcacaaag tggtacta 148

<210> 42142
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910035e10d1
 <400> 42142

aagaaacgtc caaagtggcc ttattcaggg gtaatatgaa cattaaagtg gattcgtcgt 60
 ggcataaata cgatgatgta aaagtaatac tacccttgta atattacatt acacacaatc 120
 tgcacttagt ggacactgga tggatgctat atcattacat aacacacgaa ggctgcgaat 180
 aagtagctaa tacccttttc acgaagaaaa gtgctggccc tcgcacgcgg ggctatcgtc 240

gaaattcttc gatggatact tgcgctgac cataccgacc tcgaagacga tatcatcgcc 300
 ggaggagcgg attccggtga tggaccacca cttgaagaac gcgcgaaccc taatcccctc 360
 gagttcagcg attttcccct tcacgatctt ccctgtgatg gtgtcggaat aggtggcgac 420
 cgtaattgtc cggcgggagc gtg 443

<210> 42143
 <211> 364
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910035e12d1
 <400> 42143

acactcaaaa aaggctggct ttcattgaat aaaaaggaat ctacctcttg atacaattat 60
 tagatcactc tattatttca ctcggtagta agggagaaaa agccctttca catcattcac 120
 tggggacaa ccttcaaaag ttaaaaagaa atcactttta ggcttaaaat acatactgaa 180
 caggggacaa ttttgaaaaa ccaggccatg gtacttgaat gttgaccata gacccttcac 240
 attcaaaatc aacttttttg ccatcaattc tacaagttct tggtttctct gaggcataaa 300
 ctctcatctc cccagggcct cttaaaccaa cttcaaccaa attctgaccc tcataaaaag 360
 ctaa 364

<210> 42144
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910035f01d1
 <400> 42144

cgggtatata cttttatttt aaagaaataa taacaaaata taacacacat aatgaatctc 60
 atataatgct atattttctt ccctaataa attatgtaaa cacgaagatg ttttaactat 120
 aaaatcatat tatatcactc aactatttca tatgaaaggt taacccatat ctaaatttta 180
 tcatgaacat taaattgaat atgaatatca totccacttg catattcatt catactatt 239

<210> 42145
 <211> 243

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035f04d1

<400> 42145

ctaaatagtt ccaatcatag ggggaacggg ccaagttaaa catcatacca ccctctaatt 60
 aatgaaaccc ttaaaagtgt actaaatcac aggctcccc ctcattcaag cccttgtcca 120
 catgatgctt aactacccaa aacaaaaaac actaccactg ttctatttct ttacggaata 180
 taacttttta ctcaccattt attctatcag catacccct ttggtttatg aggtccactc 240
 tca 243

<210> 42146
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035f08d1

<400> 42146

cagaaattac cacacctcat ttcaatcaaa ggatcaagga gaaaaactga atattaacac 60
 cccacaaacg ttgaatgcta aagaatcagg acatgctatg gatacccaac aaattataca 120
 ggtctctacc ttcaatcacc ggggtgcccc gaatcaataa aaaccacttc ctaatccgca 180
 attgactggc ggacatcaat tgccgagata aaactttgca accaactata gagcatgggt 240
 taaa 245

<210> 42147
 <211> 541
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035f11d1

<400> 42147

aagaagggtc aatcaagatg attcttaatt cttattatgt gcaatcaaca tcccaaactc 60
 cagatattta ttacatgctg caataatcta aattgaattg aatagttact ggggggcaat 120
 tagcgtcccc ttgccaaactc cacacaatat ccctgagcga aggtctgact tggctctcac 180
 agaaattaag gtattcaagc gtgtctccgg cggacttgga gaactcgacc accgcgacct 240

ccggcgccac ctggaatacc tccaccgtca tggccagctt ccccttctc cttccgtcg 300
 cccctgcat cctcaccatg aactccttct tccccgtcac cctaaagttc agcttcttgg 360
 ccacccctc cagcttcgcc atcaccgccg aagccgaaaa cttggaaatg aacattgacg 420
 gcgaccgctt cctcgtctca aacaaattcc tcagatcgaa cccatgacgac aaggacgaga 480
 ttatctaaaa gcgttgtaag acggacgagc aggcttagcc cccgtcaact ccccatcctc 540
 g 541

<210> 42148
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910035g01d1
 <400> 42148

attcaaataa atttattact gagattcggg gaagtacctt ttagagaaaa ataaaacaaa 60
 aatatatgat aataagaaaa taagaaatat gaagctaaca tgtgggtccac ctaaataaaa 120
 tatctttaca tgatatttag ataccgataa aataatatat taacaagtgt gtattacata 180
 tataaggatg acccttatca agtcattaaa aacaacagct tacatattat gaacataatc 240
 agagatcgct a 251

<210> 42149
 <211> 350
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910035g03d1
 <400> 42149

gtaaaaaaat ttccttcaat ttttaaaaaa ttgtcttctg cagacttact gatcaacttg 60
 atccgcaagt gtgcgaggaa ctaggggcat ttttggcata ttttaggaat gctgggtgca 120
 cctagcaact ccccaaaatt ttgtggcact aaagctgccg gttagaattt caaaacggtc 180
 cttggcaaat tcttcggtat gagctacagg agaagaagat aagtatctca ttgtgtcaat 240
 tgagtgagag cctaactcgt tgtacgagtt attcaacact ttaagtgact tgagcaatct 300
 gagaggcccc aaagcagtaa aactacaaa atttattatg actcaaattt 350

<210> 42150
 <211> 316
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035g05d1

<400> 42150

cttaataaaa cattccccag ggggaaagac caatataaac aaaaaacccc catctatctt 60
 ttcaaacctt aaaatgtctc cctctttttc gaacaccccc atataaaccc catgatatca 120
 tgctgcttat caaccctcta cttaaaacgt tccaacttaa aaccaacttt atggtcatta 180
 agtttccctc aatccttatt ccacacacaa aatccctttc ctgatgctt aaccctctca 240
 ccctatcctt caaaacccta acccctccaa caaaaaagat attctttacc tctggcctaa 300
 agaggactta tctttt 316

<210> 42151
 <211> 397
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035g07d1

<400> 42151

atcaataatg tttaaggctt tggcatataa tgctatttca ttttttttag ggaactacag 60
 aagaataaaa ctactagaaa gaaaaaactc ttgaacaatg ttcattaccc tggaggaaaa 120
 aacagtacaa ctattgggaa caagctcgac aaaacagaat gaggaaaata attttagcac 180
 tctagaaaac tagctcatgg ggcttcactc ctgccttcaa ggaaaaccta gcaccaagt 240
 aagacttgag ctctggaaca ctctcaatgg cctttaacaa agcagtgtcc acggtttttt 300
 ggtcatcttt cttttcttgg ggaagacat ttttctcctt cctctctggc ttaaagaatt 360
 cgccttcgcc ctttgggttc cttttgctaa gcttctt 397

<210> 42152
 <211> 477
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035g08d1

<400> 42152

agcacaaaat tttctgggtc ttattacaag agcatgatct accagcaaag ttggaaatat 60
 gaataacaat agagcccact tattccaaca cacatacaac aaccataccc ataagggatc 120
 acacgtatgt agacagagac cacatggcat agcataacta atcaaaaaac atggcatagc 180
 ataaataatc aaaccccaaa aaataaatga tacaagattc atccatgaac aagacaagat 240
 tcttagctat ttataaatgc acaatgcttc ctgatctctc cttctgtccc tgtcttcaca 300
 ttaattcttc ccattttctc gatggagggt gcaaactcag caaagaaatt ttcaactgac 360
 cttcaagca attggatgat ttgtgccttt gtaactgagt tagtcaataa tgcagcatct 420
 gactcaaata gacccttct cttattaacg tgactatagt agctaagatc aaatgtc 477

<210> 42153

<211> 536

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910035g09d1

<400> 42153

ggattagaat tttcctgata cttattatt atctgggtat accacacgtt ggtttccttc 60
 atgagtacaa accgaaataa aaccaacaat taatcttggt ttattacaac acacaagctt 120
 gacatttcag tacaatagtt tattttcaag caatgagatt ctaaaaccag aaccacaaac 180
 gaaacaccgt tgagattctc aacgagttca ctctgatca agcagagata tcagagacta 240
 aaagttggca aagttctttt ctttcaaagt ttccactgtc tctctaagac tcaattccaa 300
 aggaataaat ttaatcccca aggtctttgc cttttctttg gaaacctgaa atgttggtac 360
 ataaggctta tcgtctgcag acttttctgg aatttgatat gtcgggtact gatcacgtaa 420
 aatcctggcg agttcaaagt attgtgcctc tctttcaact aaacaatatc ttgcactagc 480
 tgaagcaatc ttatatgcct gaatatgggc gtttgcaaca tctttacatt gatcca 536

<210> 42154

<211> 531

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910035g10d1

<400> 42154

aaacaagcaa tggtttattt attattgata aagaaaataa caatggttgt gtttattgga 60
gcagcaattt agcttcccca atcacaccat taacccaaaa aagtgggtgc aagaaagaca 120
ataccaaacc aaaccgcagc agcaccaatt atcaaaatca caagtcagag gaattttctt 180
cctcctgagg aaagcgaagg tgctttcctt tgggtgttgg caaaccttc aaacgcatca 240
catcagactc agcacaacat tctaccatt tctccacaat ctcatcctca ctatcgtaca 300
caaacctcgt gtgcttccca caacccttgt tctcattcac actaatgtta ttcatcccag 360
cacatagctc ttcaagtgc aaccctccaa cataatcata acactcttca gcctcctgc 420
aataatcttc ttcttcttct ttcttcttcc tcttcaccca tttcctcctc gtcctcatct 480
tcgtcatgcg tgctcgcatt cacctgaatg gaccaaattg aagcaccatc a 531

<210> 42155

<211> 538

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910035g11d1

<400> 42155

acaataataa atccatattt ttataattaa aagtagtaga ttacagcgat gcacttgaga 60
aacatattaa gtggactaat tctccctggt caagcaagaa aaaaaccag ctatgacca 120
aggtagagag agattatata cagaatacta gtaattaact aagactggct ctgcaattgc 180
caaaaactcc attgcagtag cagccacctg agaagacact aagacctaga ctagaccata 240
cataatgaag attaataccc ttacataaca acataggaca ctaagaaaac acggcttcac 300
agagaatccc agtcgatctc ataagagggg tacttctgga gattaaaatt atccgaatca 360
ccttcccact gcggctcgct gacgtcagcg aaagtcagaa ccgaaagcgg cgaagaacct 420
tcagaagagg aggaagcagc ttcgacctta cagagttgtt gtcgttggtt ttgtcgttct 480
ctggcggaga agcgagtttg ggtcgcgtt tctcggagg cttctcggtc ttcacctg 538

<210> 42156

<211> 566

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910035g12d1

<400> 42156

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 atattttggt aagacactag tagataccaa ccatatatca atttgataat tgatgggcat 120
 taaaaaaaaac cacttgcatt gtttctgtct caatgatcaa tcttcgtaga agcctaattt 180
 ttgtagcttc aaatgatagc atactaagac tccctttaac atccttgga ttcataaaac 240
 tgaacttttc ctgtaaaggc gaagggatca agtgagtgtg acgtttgggt tcatccaaag 300
 caaactcaac aaactttaga taagatactg aacaacttgg tataaaatta ctctcctcc 360
 tcctcaaggc acaagtaaaa ctgactatcg cttttaaaga ccaagagttg tgaattttca 420
 ttattatctc attaacaaac tcatgtatag tgaaaagaaa gtacttgtac atccttctcc 480
 aagtacttta cacatatgat ctagtggtgc ctgttctcgt tgattctttt ctgctttaga 540
 acctccattc aatggagtta tgtccc 566

<210> 42157

<211> 202

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910035h01d1

<400> 42157

ggcctaaatc caagactatg taaaatccaa aaactaattt tgtcaccaga cttaaatagaa 60
 atgggaaata aattcatcgt gctctaaaga accttgaatg acaaaaacaa tccataaacc 120
 tgtaaataatg taccacagc aaaacttatg aagtgaataat ttaagacgc caaattgggt 180
 tgctatcttt aatcttaata cc 202

<210> 42158

<211> 486

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910035h03d1

<400> 42158

caaatcaagt tcacatattt ccaaatatac actggtacaa ggatacacia aataaccaca 60

002220.ET.F560

catacactga caagcattat ttgtgttact agaaagtaga ttgatccaaa agggtaacca 120
cacactcctt agatagagat actgttgga attcctctga aagtcaaccc ttcctcactt 180
gtaggaagga gcaatgtgta tggcagctga actgggtccat agcgatTTTT cttatttgaa 240
tccttgTTTT tgcgtgtgat ttttccctca atttctgcca gcttgcttcc aaactTTTTg 300
aatgcttcta atgcctttga atcagatgtc caattaggat tgtctctctc cccaaggtag 360
atctcatcag aagcatgcct tgacaatatc tctatcaccg taagatcaat aatgggttgg 420
cgcttcggtg taatggttct caaataagcc gtttggggac tctccaacat ctcatcatat 480
tttttg 486

<210> 42159
<211> 428
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910035h04d1

<400> 42159

actattcaaa cacacaataa gtcattgta gcatcatagt ttatacataa gaagccacgc 60
atagcatcta aataaacagc aaaaaattat taatttctag agaactacac agtgcaaata 120
catgcatata tatagagttc tgtagtgtc ctgaagctaa gttattcaag aacaggaaag 180
aaggacttga aattaaagca aatctacttg ggaacccaaa caacatgac ctcaggtagg 240
aagtggcaga caggaacggt tcctggctta actttgagca cttgaaaggc caaatgttta 300
gggttccatt ccgacgtgtg agtgtggcac actgctaccg ctttaaccct aacccatta 360
gcaccctcca aaggcacaga gtaagctctt gtggtctcag ttttgtgaca gtaaaaaaca 420
gcataagg 428

<210> 42160
<211> 383
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910035h05d1

<400> 42160

cccaaagggg aaattggaca cataaatttg attttttaaa agcaaacc aa gcaaaatttg 60

aacccaaatt taaagttgcc ttttaaaagg gaaaccaaca ccgcaacggg aaagccctaa 120
aacttggtgg gcttaacaaa aatgtattga ggggttctcc caaaccacc acattaaaac 180
agaatgataa agggggtctt gccaccggag atcaaaaacc caattttggg aacaaaagtt 240
gcaaatgat gggggagact tcaaactatg tccgaaaac aagctcccta aaaacgaaaa 300
cacaagggca agaaaccaac attttttgta accataaaaa acgacattcc ttgatgaacc 360
aaaccggacg attcactttt ttt 383

<210> 42161
<211> 402
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910035h06d1
<400> 42161

agagagggct ttacacgctc ttaaattggga ctgacgacgag tcgactcgcc ctgggcgagg 60
tgagtccgaa cacgtcactc gtgtccaact cgctgggttt cattccatct ggtaactccc 120
atgtgaagca gtgaagcaag tgtgccatgg ccagttccag cgtgtaaaga cccagttgca 180
ttccggggca ggatctccga cccgaccga atggaatgaa ctcaaagtta ctccctttga 240
aatccggcac gtgcgggttc agaaaccgag aaggcttgaa cgcttccgag tctctccacg 300
cgctcttgct ccgccctatg gccacgcgt ttatcatcac gcgcgagccc ttcggcacgg 360
ggtaacaaca cacggccgaa tcttccgaag tttaatggag ga 402

<210> 42162
<211> 508
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910035h09d1
<400> 42162

atacaaaatc atgataatca atataaatca tcaatataat aaaagaacaa gcaagcacia 60
caacaagctc atatctaacc caatggtatg aatctgaaac tgaatccaaa aagcaaggcc 120
cgagtgtacc atgtattctg aaaaagcatc ataatacagta gtgccaacct gatcagcatg 180
tattaactcc atccttgcaa tctttagtca aattgtagaa cgtttccacg cgtgtctttc 240

cacggtaaaa gacctcagta tccactgcaa ctctcatgta cccatcaaac tcaacaggct 300
 ttccattggt gagaagtgtg gtctcgttat accactcact tgtatttccc cacagctcct 360
 tatagtcatc aagcagatgc accttgtaat ttgacctcaa cttatcaaag taattataat 420
 aaggctcatg ggggcaatgt acaaagtgtc ccaggctgaa cctccattta gctttcgaca 480
 gaacatccgc gacgtatata ttcaatga 508

<210> 42163
 <211> 424
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035h10d1

<400> 42163

aaaaaaaaac ttagtgaata tttcattagc caagactaca gggcacagtt tgcacaccaa 60
 aaacatatta cataccacac tatgttaaag ccacatcttg caggtcaccc ttgtaaaatc 120
 aattattttc actacacacc cttgaataat aagcgggttg ctttcggcta tggagaacat 180
 gtactaatgt gtctcactct ttttaactcaa accttaaatt acagacagaa gcatgttgat 240
 tgtagtggag cttatgcatg ttcattggaat gggacagaca actatttttc cagttgctta 300
 tgtttgtttc cagatgggca aacgctttaa cagtctgaga aaatggaaac gggctctttg 360
 tgttcaagat ttggctatag cttaccattc tcaaaaataag ggcttagttt ttctaaatac 420
 gccc 424

<210> 42164
 <211> 529
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910035h11d1

<400> 42164

acaaagtcac tttttgaaat tgttattggt gtaatagatt acaagggtact acacaaaggc 60
 atattttggt aagacactag tagataccaa ccatatatca atttgataat tgatgggcat 120
 taaaaaaaaac cacttgcatt gtttctgtct caatgatcaa tcttcgtaga agcctaattt 180

ttgtagcttc aaatgatagc atactaagac tccctttaac atccttgga ttcataaaac 240
 tgaacttttc ctgtaaaggc gaagggatca agtgagtgtg acgtttgggt tcatccaaag 300
 caaactcaac aaactttaga taagatactg aacaacttgg tataaaatta ctctcctcc 360
 tcctcaaggc acaagtaaaa ctgactatcg cttttaaaga ccaagagttg tgaattttca 420
 ttattatctc attaacaacac tcatgtatag tgaaaagaaa gtacttgtac atcctcctnc 480
 aagtacttta cacatatgat ctagtgggtgc ctgttctcgt tgattcttt 529

<210> 42165
 <211> 420
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910035h12d1

<400> 42165

actatatgta atctttaaaa gcattcacia attaatgaat attcatggga tcagacccat 60
 ggcaaacata tcatttgcca aataggccaa aggagcaagg atttggcata taattgactc 120
 gacattccct gtattgactt gctaacacat tcatttatac atattctttt ttgccccat 180
 aaagaaaaat gatagaagaa aaaatccaca aaaaatctct aaatctattt ttttttcccg 240
 catattcaaa ctatatgtca aaggggccaa gactaccggt gttgtcttgg gtttgaacta 300
 cggagagtca caccatgcaa aaattttgta tatccaagta aactaagctt tccatcagta 360
 tttcttatcc aatctttgag aactgaataa gctgaaggcc caagattcaa ctctctggct 420

<210> 42166
 <211> 474
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910036a05d1

<400> 42166

ggaaagaaaa aaaaaaccca aagggttaagg gatcccccg ggcaagagag ccaaatttta 60
 accccccggg gggttttttt ccccccccc atttttggcc ccctgcgggg gggaacaaaa 120
 acaatggggg gaatttgga aaagaatttt gaaatggaaa ttcccttttc cccaaccct 180
 ttttaggcca tggcatttaa aaccccgaaa aaaaaaaact ccgcccttcc ggggggggttc 240

tgccccacaa aagttttttt cctggggggt ttccccccag aaacccttgg ttgtcttggg 300
 gggccctttt gaaaaccagg gctcccaaaa aaaccaattg ggggcggggg ataaccacca 360
 accgttttcc ccgttttttg ggggaacca ttccccgggg ggggggcat ttttttcca 420
 cccccctt tccggggggg gaaaccctt tatggggcga aaccccccg accc 474

<210> 42167
 <211> 449
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910036a06d1

<400> 42167

aataatacta acaaataaaa tttgttccg aaaatttctt agagtactca aaaacataaa 60
 ttgattaagt ggccagcaac attagacacc cttgatactg ccaaagagc ccttgagatt 120
 tagaagtttg cagccacatt agaaacaccg atccaattaa tcgtttctcc tactattctt 180
 cccattgcag gaaacaagac agcaattcac taggtttatt ccaaagaca gatgtgaact 240
 ttttattcag agaaacaaac attggtacat cctcggttag ataacaatat tctgtcttta 300
 tccatctaatt tgatgacata ctacaagttt aaaccaaatt acatgctgca aaaaaggac 360
 ttccccgcc catgacttct acaacatgcc ttgtctagct attaggatca acaaccctt 420
 ttctccacta catgaccta atactaggt 449

<210> 42168
 <211> 562
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910036b03d1

<400> 42168

aaaaaaaa catctccatc acttcaaat taattttaac caaatcaatt ttattaacac 60
 tcatccaaac atactataaa ttattttaat ttatttaaaa tgatcgaccg ttctgcaaatt 120
 gtaatcaaca gaaacccaaa ctggaattaa tccgaaagca ctcaattaat gggccaata 180
 ataccagtt cccgacagtg catccttcca taccagggc cactaataca gaatttgtca 240
 cttgctttgc aaatcctttc ttgcacctac tttagccacg gtcacactaa ccactgttat 300

002220" ETTES60

tagccacaat ggtaaacaca accatgggat ttacaggcaa tcaccggcaa taaattgcct 360
gatcaatttg tgggggaatc tgctttatct cagatccaag ttcttggtca atcctatata 420
aattaaagcg atcctcatag gtaatcaagt tcaactggtaa acccaggtgc ccaaacctcc 480
ctgaacgacc aaccctgtgc aaataagtct ctgcgttctt gggaaaatca aaattaataa 540
caacgttgac ctgctgaata tc 562

<210> 42169
<211> 487
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910036b05d1

<400> 42169

gtctccaaag ccttcactgc atcattcccc aattcaggag acgagtcctc ccttctatga 60
tgaacactcc atcctccctc accatctaaa gacaaaacca catcatggaa tgcaactaat 120
gctggacgat gtgatatggg aatacatgat gttcccatag ccagaacatt agcacaaaaa 180
cgttcttcca tatcaggagt gacagcactt gtgcactcat caagaatggc caatttaggc 240
tgatggtaaa aaagtctggc catgcccaat cgttgttgct cgcccaacga aggttattac 300
cccaggttac ctctgtttca gacgggtacc gatccaatag atactgatga tcaaccttca 360
atacatgtac aagcaattca gatgaataat aatgagtaaa ataacatata atcatcagac 420
actaaacatt aatgtggcac tgagatagaa gtaggattag atgtgagttt cacatttttc 480
aatagct 487

<210> 42170
<211> 453
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910036b06d1

<400> 42170

caagaataac tttcccataa tagtaataaa aactgagcaa gtgaacacgt atacatgtgt 60
tctccacacc atattctgta attaaccact aactaatcca tgattgcat gtacaaatcc 120
tgattaaaga actttattgg agcaagcgca aaatcagaaa aaggtcttgg ctgcgaagat 180

tattgtgaag aaaaaccggg ctgtcgaaca cccaaaattg gatacagaaa tgacagaaag 240
 gcgttattta atgtacagaa actggatcta aatgatgaac caaaagattc tacggaaagg 300
 cggctctgat aaaaaaacat gaacccaaac attattctag tcaaactcgt gttaccacac 360
 agtaacatca gagttgtgtg catgggccga tccagcattg ctgttatcca tagagtgaca 420
 tcacatacat tttccttgat taagtaaaaa tga 453

<210> 42171
 <211> 542
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910036c02d1

<400> 42171
 attataagag attgttgtat gaatattata ttccaaaaag caataatatt atattgcctt 60
 gctacactag ggaacatcag caatcacaat aatgtgtcga tatggagata aaactataaa 120
 agatattagt atattacagc aaactccaca gggtagatgc tgatgccacc ctacatacat 180
 ataaaggaac atatttttca gttatgcaag gtgtggttgg aggagggggg gcctttgggt 240
 gggcattggt agcacttgac aaatagcccc aatgtgtcaa cctgcttgat gaaatttgtc 300
 atgctggccc accctccaaa cccaaagccc actaccagaa cccacaccac cacaaatgca 360
 ttcaccacgt acatcacctg ccagttaggg ataaagaagg gcaatttctc cgcggcattc 420
 tgtcttgctg aagcagatct gtatgtgagc atatgagcaa aagcagggat gatgtaaacg 480
 gtgaagctga ccaaagggc tcccacagct gaattaatgg gcccaaagat agggaaaata 540
 at 542

<210> 42172
 <211> 482
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910036c03d1

<400> 42172
 ggaaaaaacc aaattagtat tgcacagcac aaaaacataa tactatatag cacaaactgt 60
 ttctttgtag agaatacaaa atgctgcaaa gcttacaaca tcaaacacag aaaagacatc 120

caaagctggt gaaaaataca agagatgact cttctttgaa atattgagaa gttcactttg 180
 ttttttaaac ttctcaacaa cactgtttca ctgtctgtct tgtatcactc actgtatata 240
 agttgtaaag cggagaagaa agaggatgag ctctgccttt tgtctcttca ctcctttctg 300
 ctccgggcct tccatcttat ataacttacc tattttgatc taacctactg aaatgcaaaa 360
 tacacaaggg aagaagaaga ttgacatta aaatatagaa ggaaaaacgt aaagaccctc 420
 tcctcactgc acatttgtat ggctacacaa tcttacacaa caaagcagga aaccattccc 480
 at 482

<210> 42173
 <211> 516
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910036c04d1
 <400> 42173

cttgaactat atatcattct ttaagtaatt cattccttct ccaatacaat aaatacatac 60
 aaatgccaac aaaggtttct attattacat ttggggaaga ataaatcagg gaaagagagt 120
 aatattcaat aaaaacttta actataacaa cagaatggca aaaaattaca aaggaggctg 180
 aacgcatggt gctggcctca acacttttga agcacatttg tacacagggg agcttctctg 240
 tgtattcaaa tcaaccctac agatcctctc agaaaacccc gattttctaa ttgaccaata 300
 accctgtcaa ttcagatcct ctcatctaaa atcatggcca tcattcgcgt gaagttttgt 360
 tctgcttgat caaggcatat gcatcactgt atatagccac aacgtttgag aagactgcaa 420
 ggactatcat aatgacagac aaaaacttgc ctgatttagt agcactgtgg aatcggtcct 480
 taagagtgat ggcagctgga aaaatgaatc ctatac 516

<210> 42174
 <211> 578
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910036c08a1
 <400> 42174

caacaactcc tttttttacc tcttcacatt ctccatttca cagggttctg atcatgttgg 60

ggaagaggcc cgggccaatg atcggaaagt tgtcggagtt gttgggtctcg agaggccgca 120
 cgggtggcata tttggacacc accggaagcc ctagaggccc attagacatg aagatgatgc 180
 aatcatcacc aagaggctta aaaaactatg atcttggtgg tgttggtctt ggaattgtag 240
 tggctcttga taaatccaac gaggttgctg cacgtgaagt tttgccc aaa cagccgttt 300
 gcacctacaa tttgaaccgg tccggcccaa tcccggttca ctacaccaa aaccagatg 360
 aatttgatgt ggaggaatac acctatgtga catgccacgt acctaacaaa acgttcacta 420
 aagtatacta tgatggtggt gaaggtgaaa ttcggagaca ttacaacaac agcaacgttg 480
 gagttctcag aagaaccgca ccacaacctt tgattggtga ggccgaatca ttgtaccca 540
 catcgaaatt tctcagttca tgtcacttat gcggaaag 578

<210> 42175
 <211> 285
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910036d02d1
 <400> 42175

ggaaagccag aacaaaacct ggtaccgagc ccactactag aacttaaaaa gaaagatatc 60
 ttttcttaaa ctacttcac atatcatatc taggcccga aatataggta ggcaaaagg 120
 ggaagggaag agagaccgca cgaaactccc tgttcctgac tcacaataac atattgacca 180
 tacaattatt caaggaacag agttaccatt ctatgcaagt taaatggcgg ttgtaacttg 240
 caatccttct gtctacaact taaaggatct gccttttttc agggg 285

<210> 42176
 <211> 536
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910036d04d1
 <400> 42176

aacatgaaac accaggaacc agctgccata aagttcaaac aaacttcaa aggaaacatt 60
 agcaaccaga cattactgtg taaatcaata aaatgccaca gaaaataatt cagacagtat 120
 taagtcctac acgacaagaa atgattaata ataataata ctataatatg cttttgactt 180

ctgctgtatg aagactgcta ccaacttcta gcccgatct ctgcaaattt cataacagta 240
 cagcaagggtt aaagaagtga gtcccaaact tcgaagaaag acatggcaag aggttagaaa 300
 tcaggttcac aagagctcca agaaacatca ggccttttgg aacactgaac caaaattgaa 360
 caaaatcatt tcattctctgc catgaacttt tcatactctg aatcagctga tgaagcagga 420
 ggaggcactg atggatttgc ggccttaggc acatttccaa tgctctggga ttgattgtct 480
 gccgatgaag caggaggtgg gactagagaa ttactggccc aaggcacatt tgcaat 536

<210> 42177
 <211> 419
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910036d05d1

<400> 42177

aaggcaggaa ctggataaat aacattccac cttcatacaa caaacttget ttacaactgg 60
 gtagtcaatg atacaccaac caaaacccaa acatcagggc acgaatgcaa ctaaaatcac 120
 tggtgagaac catcaaattt tacactatca agccatgaaa caactatttc aataaagggg 180
 ctctgcctag gatcttgggt tagggattta caccaatgg caagcacctc caataactgt 240
 ttctcatgat ccttgtgcca aattactgga tcaaaaattt cctgctcctt attctcaa 300
 ttcatattgat acacccaaaa caccagattt ttgcagtttt tccccctgaa gacttccaca 360
 ggccttctac cattaagaag cttgagaaga acaaccccga aacttttgac ttccccct 419

<210> 42178
 <211> 530
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910036e04d1

<400> 42178

ggagtaaaaa gacactctta agtttggat tatgaaaatc atactttgca ccatgcttgc 60
 aaaaagttaa accaaattat gaatttacga atttaataaa atgatgcaac atggcaaaga 120
 aaagcccttt gataaaagaa tcacgaatgt aaaagcaaaa ctgtcataaa agctcagtgt 180
 cgagaggaaa aacgatcaca caatttggtg gttttctgtg atcaactgtg ttctctgaga 240

002220"CTTTS60

atacttagga ggattacccc catttagcgg tatgatgctg gtgaccttca ggtcactaaa 300
tgtttcagtt gctataaaac gaactgaaat ggggaagaat gctgatgatt cggcttgtgg 360
aacaacaaat tccattgacc cactgcgggt tgaattatca atcagaagga cagaccactc 420
caaaaaggaa ttccttgagt catacctcca ttcccatca atctgtctaa cagatgggtgc 480
atctcgaaga gctggaagag gtactgagat cacaacattc cgcaaatcaa 530

<210> 42179
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910036e05d1

<400> 42179
gaatcatcat tcatcaaata aagttcccct gctagttaag agcttaaaaa atagttttat 60
gcttctctca agtctaaaat gctactaccg ttacaaagac ctttcctggt attgccatgt 120
tactgctata ggacttctaa cagcatatct acctgatacc caagtaagt acccaaatga 180
tgaacttcca gcaactgctg ttcttccata tgaaacaaaa gaaactttat aactcaattt 240
gacaccaatt tttgtgaaac caatattcct tggttcaaca gagacagaca ctc 293

<210> 42180
<211> 318
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910036f03d1

<400> 42180
caaaccgcc tttttttttt tttccggggg aataataaag ccgattttct cctcaaactg 60
ggcggggcaa tgtttatgtg cttagcgggg acacccaaat aatgggacca agcgcggtt 120
ccgcctaacc ctaaagggtg tgacccaaat tttctttttt gaacaaatgg gaacctgcac 180
tgggacatgt gacactcatc caaagacttg cctttaccat gattctaaag aaaagaaaaa 240
gaccttgccg gcccgagaaa aaaaacctca atatgttggg agtttaaagg tgggacaagg 300
actatcaagc aatgttgg 318

<210> 42181

<211> 412
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910036g02d1

<400> 42181

accattcatt gggaaccaac acgttgattc cttttgatcc accaagttaa gtttctaacc 60
 ccaaagatac cccatggaga aaggggacaag acaatatgac tttggccgtg tgcctataaa 120
 ttattttgac agaagccaac gttatacttg aggttggcac tcaagaaatg ctatagggta 180
 aaaggaacga gttcctatct tgaaatgagg caactgggtg actgtcttta ggttcaaggc 240
 taatcagatc tttcatgaac tctgatatca agaacaata gtgcttgatt gatcatcaat 300
 tagaccacgg ggcgcctttc aatatgacca tgcaaatagc gtgaattaga attcatcctg 360
 tacatgcttg accactagga cttgatttcc tggagctctt cccttcgtta ct 412

<210> 42182
 <211> 548
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910036g03d1

<400> 42182

acttccttgt tatttctccc ctcatatcat gagactagta caaacctctt gttagtatac 60
 atagagatag tactaaacac tcccctgatt taatgatggc aaacaaaaca aaacaagacc 120
 ttctggaacg aagatacaaa gaagtacaga agagggtagt agtagcagta ctaagcataa 180
 tttcctgtctt gaaacatagc acatcaatgg catgcctcat ttgtgtggta gctgactctt 240
 tcagtgcaga aaggggggtgt agcataataa caaaacaaa caaaacaaag tgtatctgag 300
 aacaaaacta gagcactaac tttcagggtc gcaaccatct tcatgctatc ttgatagtaa 360
 taaaaaaaag gaaaatacag gtaataaatg actcaaaca acttaaccag tgttctgcat 420
 gccagcagca atacccttca tagtgagaat gaggggtgtc tctaaaccag gagcatattc 480
 acttgttggg ttcagtttta taagttcatc aactgatttg cttgcctctg cagattcctt 540
 tgatatgc 548

<210> 42183

<211> 524
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910036g04d1

<400> 42183

aagaaagcaa gacagaggtt atatgttgaa gttaggcaca tgggaacaac tcaaagtagt 60
 gccacgctgc caccatacat ttcggcactt tagtccgcag gatgtttgca atcggttagta 120
 gcttaatatt taaaataata taatcacaat attaggagaa atatatatga acaaaaccat 180
 gccaaaaagc ttaacaagct tggtaatgcc gacacacaaa gaatgggtga aaatgtgatg 240
 ggaagagtat aaaatctgag aattttactt ttggaaccca ccaaattgat attgttggtt 300
 tccaaggttt gagaaaaagt cgtctccagc tattggctgt gaaggagtga atccagacct 360
 acccattcca agaccagatc ctgaacccat agctctcccc atgtaaaatg aagggtggagg 420
 gcctttctct cttttatcgg atccatcact caatccaccc acaatttcaa cattcacaac 480
 ggatactttt ttaggagcag ttattttgag atcaatcagt ccac 524

<210> 42184
 <211> 465
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910036g05d1

<400> 42184

gcatcaaadc aaccatttaa attttgtgag gaaatcagag atgcattttg gaagtcacaa 60
 acaagcttat ttacatata tgtaacgtta catagaccct acaggatata aggccatcgg 120
 catagcaact tcctacacac gaaaaagttc aaaccttatt gcgctgcta catatgaaaa 180
 accaccata tcagatgtaa gcacacatga gttttccaaa ggccatattt agaggccttc 240
 aatgaagttg accccagtgt tcttcaacca aacattggct tggatgagtt gcgctaccgt 300
 gaacttgctg gcctcaggtg cagttttgat gatatggtaa ccaggccaat tcaactctctt 360
 gctgggaccg ggaccggcgc cattattcat gaactctcca tagtacaacg tgagcaaaaa 420
 gtctttactt tgggcatccc attcagccca tcctgcaggg tcaat 465

<210> 42185

<211> 601
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910036h02d1

<400> 42185

aacaaaactt ttttataaat taaatgcaaa tttaagacat ccctcctcag cagcaaagga 60
 aatggactaa aaccctatgg ctgcttgtga atttgaaaat ctcagacttt taccatcaaa 120
 acaaaaaaca gtactcatca aaaacaaaca gcaacgaaaa tgttaccgcc gatcaagaac 180
 ccagttttga aggctacggc tacatgaaat cggcggacac ttcaaaatat aactggtaaa 240
 acaaacacct aagactctgc aaagataaac tactgtaaag gaacaagttt ttttgaaacc 300
 acgttgatga tcacatgtgc tagcaaaatt gccaaaatgc aatcacttct tcttggcggc 360
 agcctttgtg accttggtc cggtggggtc tttcttctca acactcttga tgactccaac 420
 agctacggtc tgacgcatgt ccctcacagc aaaacgacca aggggaggat actcagagaa 480
 agtttcaacc accatgggct tgggttgaac catcttaacc ataccagcat caccattctt 540
 gaaaaatttg ggctccttct caagctcctt accagatcgc ctgtcaatct tggtaagat 600
 t 601

<210> 42186
 <211> 439
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910036h03d1

<400> 42186

atagaatggt gtagtagcgg gcctcagcat acgaaacata acagatcaat gtcattgatc 60
 catttgtgtg ggagctagct cttgtggaat tctagagcag cataccacat tgtacagaaa 120
 ggtggggcca cataataaca aaacaaaaaa agtgtatctg agaacaaaac tagagcacta 180
 actttcagtt ttcaaacaaa cttaaccagt gttctgcatg ccagcagcaa tacccttcat 240
 agtgagaatg agtgtgtctt ccaaaccagg ggcattattga ctggctgggt tcaatttgac 300
 gggttcatca cctgatttgc tcgctctgc ccattccttt gatatgcggc ggcgcacctt 360
 cacattgcag tttggatcac ggatacgtt caatgtgtaa gcttggacaa tattcatggt 420

002220"ETFE50

ggtaatgtga gcatgacga

439

<210> 42187
<211> 552
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910036h04d1

<400> 42187

accttagacg tgtataaagt atattgaatt gcatggcaag catcttgcta cttgattcac 60
ctgtggcttt atattaactg ccacaaggca aaaaaaatc aagcactctg cagagtgtga 120
agagatagta taccagaaga aatacacaag aacgaaggaa ctagattttc agatgacacc 180
cattttcata ttttcattca accaaaatct agtatacaaa tgaacaatct ccgaaagcac 240
agcttgcaaa agttgccaaa aacaatacta aatcattaga tattcagata cttacgtctg 300
tactactcat atcgggcac caattgaata ttaatagctt catatctata tgggtcaatta 360
atgacccatt ctgttggtcc aaaggaagtt agcaacaata gaattgttcc actcaaacac 420
acaatggaag ttagctgggt gcaacgcttt taatgccttg tctttttgaa gaaacaatgc 480
ttcagcctga cctcagcct tattcacaaa tttctacat gctaggacac aaccgcctat 540
aaaattcggt ga 552

<210> 42188
<211> 563
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910036h05d1

<400> 42188

gatatgctcc atagaaggta gcaatgtaat tcattataga cttatagtaa tgatccattc 60
atataaaaat gtagcagcaa acatcagaaa catgtcacca agtattcatt ggctgacttt 120
catatttttt atatattaac acttcttcca gatctgggag taatcataaa tagctaacac 180
aatcatgtct aaatgttatg gcagccatta atcacaatga taaaacagtt ttaacacgga 240
gcaaatgaag aaacatctgc catactaaaa atagtttata gatttagctg atgtaaccct 300
agagaagagg tgggtattgc ttgacctgct gccggacct tctcttgtag tctgctgcat 360

053113.032200

cctggatgaa tagatgatag cgttctgtct gggcaggatc agcaggattt ggctgatcaa 420
gtaagtcttg gatgccaca agaatttgct taactgttat ggctgggtct caccactat 480
cctcattaag tatagacaag caaacagtc cagaaggata aacattaggg cggaagaaac 540
cttgtgggaa tctacacttt gga 563

<210> 42189
<211> 543
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910037a01d1

<400> 42189

gaaaatgaac agcccaaatt ttactattag tctattagca ttggtgctga aatatactaa 60
aaagcaaaca tatattgaca gtaaaaatca gtatgtatat ataccttgta tacaatatgc 120
ccaaggggaat tatectgctt cctctacctg ggtagagggg atggccaac taaaaagaaa 180
cggagaggaa gggatacaga accaacatta ttgtcttcag acatcctaaa cactgataa 240
gcccataatt ccacaaacta taccttgaag caattgctcc tctcactagt atgatgatat 300
atgtacacat gtgcacctac tttatggaaa ggcattggagc aaaagaaagc ttgcagctat 360
gtcagcatca gtagaatctg tacagccatg accagtaggt agattctccg acaggacca 420
agttttaaact ctttactgta tcaatctaata gataaattag catatgtaga actgatttcc 480
atcctccaga gatctgtcca gtaaaacatt cttcacacaa aataaacatg tagaatttga 540
act 543

<210> 42190
<211> 523
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910037a02d1

<400> 42190

aatctaactt tttaattttc ttatgatatt ataactgttg acatgaaatg agcaagattc 60
gcaaatttta atctaaacag aatttacgtt cacttggtcc ctgtaagtta aattcagatc 120
ttatcactcg ttaccacagt tccacatatt gtacaagacc ctaccaacat ttttgctgcc 180

gattatggct cttgggttat atcctaaact aaaccatctt ccattgctga atcaaccttg 240
 ttttcaacat aagtgtcttc ttctagtttc taccatctct tggctaacaa actggactct 300
 ttctattcgg tattgttctt ctccagccaac caatctgcta tcccttcagc taatgtttat 360
 ggaaataaag aacatgcgca ttcaaggaac cacatggaag attgacaaca gattgcagct 420
 aatgaagcat gattaaactc attcaggctg caatgcaaaa actctgtttg aaccccataa 480
 caccctcatg actcctaact tagtttcagc ctctgcaaat gtg 523

<210> 42191
 <211> 475
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037a05d1

<400> 42191

acatggcaaa tgacagtaac ttcaattttt ttggtgaaca gtcaaacaag aagccttagg 60
 ccataactga aattcccgaa agggtagatt ttggaaagca tcatcattca ggacaattag 120
 tacacaacat ttgctactgg atgctacgaa tgtcttcact tcgaactaac agtaacaaga 180
 ataggcaaaag tggtttttct tggagacata atgggacaag aaactggagg cagaagcaga 240
 tgaatctgga atattagccg gaaccagtat ctgggattta ccagagccaa ttctcttacc 300
 agctacattt gcataaaata gacctgatat tgctggtacg aaaacattac tctcagaact 360
 aatttaaaag gcaatcactt tctccaactc agaatcttca gaggtctagg aaacttttct 420
 ttttatctgc gggaatgatg gattcctttg tatatgtttt agggaacaaa tcttt 475

<210> 42192
 <211> 335
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037a10d1

<400> 42192

gacattcgga agagggggcac taatatcatt catgatggtg taacaggctg aatctagatc 60
 aaatatataa taaaattgta actttgcctg tacaaaatgt ttggatggga tacactgtac 120
 atgcacgttg tttccaggc ttgaagtaaa tgataagaat gagcgtaaca ttcttcagag 180

cattgccatc cacatatggc cttgtacct cctagagtga gagatccttc acctcacaag 240
 aaaaatgtat ccttgatgtc atacctctag gggaactggc aaaaaactta tggcgaatgt 300
 ggaactggag atgaacattg aaacaaactt ggtga 335

<210> 42193
 <211> 512
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037b01d1

<400> 42193

gaaaataact gatgaatatt tggctggaag cactatatcc aaaacaaatg gtagtccaac 60
 tcacgtccag ttactcccag caaagctcaa atgagaaaat aaggcttcat aatatcgatt 120
 aatttttctt tacaatcctt cgaggaaaca acaggccaag tgaactttga ttttcaagaa 180
 atcgtaacat cagagcactc gtgctaagaa aaattatatt ttgatgaagc agtaccgggt 240
 acaccgaaag gagccatcaa attagagcat gctaatacta agatttggtt aacacataaa 300
 aatatcatcg aggagcacca taaacttggg ttgagtcgta ttggggataa gcagcaggct 360
 ggggcgacaa tgttttgcca tacgcagccg gagcacttgc cgggacagct gcataaccag 420
 ctggttgcgt gttagactgt tcataaccag tttgagtggg agtgggttga acataacctg 480
 gctgcccact tggttgtgct gtactatatg ct 512

<210> 42194
 <211> 533
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037b02d1

<400> 42194

gcaaacaaga acacttggtg aattttctaga aaaaggaatt tacatcaata ctcttctaaa 60
 aatatattca cctatactac tacgaatgaa cccggaatgc ataaaaactat aacgccaac 120
 caaaacaaaa cccaatcca aatcatcact tcttagcctt agccttagtc ttcttcgctg 180
 gtgatttcac gctcttaggt ttcttcacga cactcttggg cttcttcacg gcctttacgg 240
 gtgtcttctt cttagctggc ttagcagcga cttcttggc cgcgacctta gcgggcttag 300

acttgggctt ggcagtcgtg gccgcagctt tggccttggg cttggcaaca gcctttttct 360
 taggagtagc agctttgggc ttggaagcgg gcttagtggc agctttgggt ggcttttttg 420
 gagcagcggc ctttaaccgga gcaagcttag tcggtgcgag cttaaaggag tttttcacct 480
 taacaagctt gccagcagca acagatttct tgagatgaac gaggacaagc ttc 533

<210> 42195
 <211> 585
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037b04d1

<400> 42195

gttgaaacaa aaatctcaaa aacttgagat ggggatttca tagtccacta aaatattggc 60
 attacaaata aacaaaaacc caaacttggg aaactacacg ccaccacctt cagggatttc 120
 taacatttca gatcaaatca aaggactaaa aagacagaaa acgctatagg gtccttgcca 180
 aggccataat caattccctt ctaaattctt gaagaatctc gcattacaat ctagagaacg 240
 aaaatacata gcttgaaaat atttcctctg ctccatcaag tattttgggg gaactgtgac 300
 tgcagaatcg gagctttatg ttggacaaga caactactct atggaaaaag aggcaggtaa 360
 tgaagtccca aattttgtgg aaatcccatt aacaaattaa ggttttgtaa agcttgacct 420
 gaagctccct tctactagatt atcaataaca gatgtaatga ttgctcttcc aggaattcgg 480
 gctggaaaaa cattgattaa acagcaatta ggccttttaa cgctgtggag ttgaggaatg 540
 acttcatttt ccaacacaaa aacaaattct tcattttata tgaga 585

<210> 42196
 <211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037b05d1

<400> 42196

gaagtaaagg aatttagtta ttttaacaaat accacatatt ccctacaagc tcgaccatgc 60
 cccacaaatg ggatggatgg tcttacaaaa tgtaaggtag cgattaacac gttttcatca 120
 tcactttcac tagcactaga atcctccaca ttaatagctg ctacttttga gacactaatc 180

ttaaaagaag cagatcgaat cttatagggc aactttgcat tgatagcagc caccacacac 240
 tcttacaccc ttttgtattc ctctctcttc aaatcactag gtggtaggaa gcaatccatg 300
 gacaaccctt tgatgttaaa aaccactttt tcaatttgcc aaacctcttt tattattgtc 360
 ggcgaatggc tctcagggtc ttcacccagc cttgacaatg tgaccaagt cttccccgtg 420
 tgtgctatgt aaatgccatc cacaattcta taattttgat ttagggactt catgttggt 479

<210> 42197
 <211> 500
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910037b06d1

<400> 42197
 agaattaaga atgggtttcc cttcctgtaa tagttaatat ttaagacaa caaaaaagga 60
 atggagcaaa gaaaggatta cagagagaac caaaagttct acctccttcc cttgttctcc 120
 tctgcagtat atatatagtg atatctcttg ttgccgcgct ttacatttgc ttcaaactca 180
 agttaagttc acagcctatc gtgttcgtgt gataagcttt acctctctct ctctctctct 240
 ctctataagn atggnacagc tcaatgactt ggtgcagctt tgtcattgct atctagccgt 300
 gtctctagag ctggttcaac ttgagttcca tcagcatgcc cattgcattc ttgcttttgc 360
 acttttcctt ttggtgaagc acttgtacta ttatgattaa ttttccatt ttccttctcc 420
 ggcattggtg gagtatccgt gcttgggttc acttcagcca aagtacttgc tggttaactgt 480
 tgagatgaat taccctgacc 500

<210> 42198
 <211> 443
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037b08d1

<400> 42198
 aaaacaactc aactaatca gtttcattct tgcaagcaca aaataactcaa gggggcacia 60
 acctcacgga acttaacgct ttatgaagca caattactca actgtgttgt ctgcaaagaa 120
 acacgccgtt aactatattt taaaacgcaa attgtgaccc ttacacacg gaaaaatctc 180

acaggtatag cgctccactg tggggacccg ttgacaatgc ccagaaactg gttgcttgca 240
 cagcgaccca ttgaaggtgc cctcaaccac agacaatatg ctttctgtca atgaccatga 300
 gacctttcaa acaggggtga agaacctggt tagaaccttg ccttgccgct gatccccgc 360
 tttcgccgcy ggccataaga tcactttacc ggtctgcgat gcgctggcaa tgggtggactt 420
 aaggagccct aaattgaggg ccc 443

<210> 42199
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037b10d1

<400> 42199
 gaggaacaat ttgcaatgat ctaattgaat tcaaataaat tttggtaata aaagccaaag 60
 ttgtgaaagt acaaaatcaa atatcacagc cattgcacta atcaagtttc atactcatac 120
 accaattttt tttggaatga ttggtactct tccatagcat ctcttcaat cactttcacc 180
 ttgtccttca acggtgtaat ctttggttaag aggacctctg tctttttggg gaaatcaaag 240
 ccttttggat tgacataggt acgaggattt ggt 273

<210> 42200
 <211> 485
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037b11d1

<400> 42200
 ctaaaatggt gccaattttg gtttgaaatt taatccacaa tttttcttac aaaagaatta 60
 atccaacaag taaagaatcg acataaagtt acaaaatgaa aaggggaaaa aatggtcaac 120
 ttacacattg aggagccata accggcttca attgtacccg attcaaattc aagtcctctt 180
 ttccatctgt ccatagtaac ataatggggt ctagtggatg tagcatgggtg aaaaaaatat 240
 gcgctttaa tctgtgcag agtcctcgtg actgtttcca atgattcata ggttacaagc 300
 ttgtccacct ttgttttttg tgtaaataat tgggtgaatgt atctctctac aagctataga 360
 gtcttatctt tttcttgtgt tttttttttt acctttgaga ttcaatcaac ctgttcacca 420

atcaagtcta taccaactaa aaggaatgat atgccctgga ataacaagaa gtagaagtgg 480
attcc 485

<210> 42201
<211> 492
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910037b12d1

<400> 42201

ggaacaactt ccagcataat tagatttttaa tcaaacataa cacaatcaaa gaacatcact 60
agatttttaac caacattctt gtcagttgat atgatgcaa gtaactgggtg ccatgatgggt 120
ttttaaatga agaacaggaa gagaatcctt tgttttattct aatcaaggat aggtacttgg 180
ggctatagtt caatcaattt gctgtgatac ttccctcaat tttttagcct tacttatctt 240
ggctaccact tccatgttta ttcagccaga gctgagggtgt ctctagggtca agcgacttca 300
agatgttatg gtcacatgac ccgaatatat caacagtata aagcatttcg ctctagtagtat 360
attcattttt ctggccacag gaaaaagtgt cttcacccaa tccaaccaag ctgttaaggt 420
cttctaactc ctcaaaaata gcatttggat ctgaacacat ngcaccattg gcattgttag 480
actgatcagg at 492

<210> 42202
<211> 532
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910037c01d1

<400> 42202

gtaacttata tttgtatcag acaaattaca atttacattc ttcatcagtg ctttatgtaa 60
tagaaaattt tcagttttat gcacgtctct tgccctcttt actggcagtt ttgtagtcca 120
cagggtagac gagcatctaa atggaagata gatgcaaatg atatgcaaaa gcagaaaata 180
aaacttatga tcttttttta catgattatg ctattgctgt tgaccctttg ctaggacaaa 240
gcagtacgag acttcgatat tctccaagag cccatattgg aaagatattt ctgtatgcag 300

002220-ETFE00

agtaactgat agtacaatgc ttgttgaaga ctcccgtgat ttctgttgg ggaaactccc 360
cgttttccat ttgtgaattg atcaaacct tggctgcacg atgtaatggg gttggatctc 420
tttggccctg tctgtcttca ataagtcca acatagccca tgcagggttt actacatgtg 480
acttgtttcc ttccaaattt gtataaacct tttgttggca tgcaatatag ct 532

<210> 42203
<211> 493
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910037c05d1

<400> 42203

aatcgcaaaa ataatcacia agcctcattc acagcacggt ggtgtctttc aagaaaacaa 60
agttacattc ctttccctgt tgcacagggt tgaccaata cactgaatta ctaaaattga 120
cataaaagga aactcggaa aacaaaaagc aaaattccaa acgattattc tgggaagagt 180
caaaccacia taatacttat caacaagaaa ttcggttggt gtaccataa taccgattcc 240
tactcgact agtctgttta aacaacacca acttctattg atcagtagct gtagttcgaa 300
acatggaggc tctctgaggc accatcagca agctgagagt tacccttgta ggttcccaga 360
gttgccctctg agttagcctt ggctcttacc aaaagggtt gctgagcctt cttcacattc 420
tcttcttttc cgcccatgc cttaaagggt ctctgttgaa gtgcccttcc aaaggagaaa 480
gagagtgacc atg 493

<210> 42204
<211> 518
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910037c08d1

<400> 42204

ggaaaagaaa agtcgcataa catggttaca ttaatacata tgtaatacat cacaacaaca 60
taatcactac attatgatgc cattaaggga gatcacaatt tcaaacatag agaaatacat 120
tgagggtga tatagtacat cagatgcaat atggaaatgc ctacttattt aaggacccc 180
taacaaataa agacttaagt aacctatttg gcaaaccaaa aaagggggcc ctcagggaag 240

atgtgacaca ctggagcagc tccaggcttg gttttaagca tttgtaaaaa cacatgggtg 300
 ggatcccatt ctgatgggtc tttggggcat acagctgcag ctttaacttt ggttccatct 360
 tctccctcca aaggcataaa atgcgcagta gtatttgata tctcatgaca cataaacaca 420
 acatatgggt aatccatagg atgacaaaca atgaccttat cttgtgtaac aacttcactc 480
 catttttcac cgagaatttt ggggacttac tttccttt 518

<210> 42205
 <211> 515
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037c11d1

<400> 42205

ccaacaatcc atgcatcaag ttcgaattat aatttacata attattacaa gcggtgaata 60
 atagataaag gtacagttta aaatgcaaaa agccatgaag ctcgagacat caaacgggga 120
 acaaagatga aacttgaagg gacaggacac acaagtgaat agaacacgaa gtcataatatt 180
 tcaagttgaa gctcaagggg aggtttcaga ggctgggaca gccgcatatg aaccaatgaa 240
 gacgtctcca taaataaagc cagccaaacc tcctccaatc aatggggcaa cccaatagat 300
 ccagtttagca gcgaagtctc cactgaccac agctggggccg aatgagcgag ctgggttcat 360
 tgaaccgcca ctgaatgggc ctgctgctaa gatgttggca cccacaacga acccaatagc 420
 aatgggtgca atgataccca atgaccctt ctttgggtct gctgcagttg catacacagt 480
 gtaaaccaac ccaatgtgat tacaatctca aacac 515

<210> 42206
 <211> 198
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037c12d1

<400> 42206

aagaacaaaa aaacatgtct aagtatagta tttcataatt ccgtgtcaaa ttacataaa 60
 agtccttata catccagtag acgactcttt tgggtccacaa caaagcaaaa gctgacttgg 120
 cttctttttt tttactttcc ctgcttgca agaagcttcc tcctttttct tccccccgt 180

taattgcaaa atcactca

198

<210> 42207
<211> 552
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910037d01d1

<400> 42207

ccagtaaaag ttatttaatt ctagccaaac aaatcttaac gaaaaaaaaat tcctacggga 60
tagtattaac agcgaattat tccagggaat gttatccata agaccataac ccttaaactgt 120
tgaagcaaac aaccatatga aataaagggt gaatgcgcta caatattatc acacgtcatt 180
tatactcact caaccagtaa tccgcatatc aatgacaaac ctttggctga aatcacttcc 240
gcatttgaga tagcaagcat tcacatcaca catacgaaga gtatcatgct cataacgata 300
gcaaggaagg agagcaagtt tcaactttaa cgtctgatct tttttgtcgc attgataatg 360
ttttgacctt tctccgggtg tttgaactcc aacaatttat caagtttaag agaagcttcg 420
gagaaacagc tatectcaat acaggactca gatttgaggg caaaatgaac ctcatcgacg 480
tcctcgtcaa gctggaggca gaagaggtgg ctgaaaacct ttttcatttt tgagagagcc 540
atatctttaa tg 552

<210> 42208
<211> 554
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910037d02d1

<400> 42208

agcaacaaaa aatacactct tgaaagggga aacaaagtca acaaccatac atgattaaat 60
gaaaaagaag aaaaaaactg ccctcgcta aacaagagca tcatcatttt gtacagtcgc 120
gtcaacttat aaactaactc accattttac aatctttaca ccgtaaattgg gcttgtatag 180
tcataatatt tcatttaatt ttatctctct ctctctgca gcagggggca tcaggcgcat 240
taaaacatct gaggcctcat ctctcgctta aattctttgt ataaacttaa aagctacaaa 300
atgtacagtt tctgcagtaa aaccgacaac tttatttcca attggctaca caaccatct 360

tgagagatag gcaaacatga cctcttggat ttgggagggg cggaggaagc agcagcagct 420
 tacactagcc tcagttagct gtacaagatt atttttctaa gccacctaag caggttgagg 480
 aggagcctga gcagctattc tcctttctcc agcagcaaca agtttttcta cacgcgtgac 540
 gatgtgcttt ccat 554

<210> 42209
 <211> 453
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037d03d1

<400> 42209
 gggaacttcc aactgccggt gggttttaac ccggggagaa aaaatttttg gggaatttct 60
 tctcaacggc cttaaaggt gcccttttca ggaaactttt ttacagggga acaatttgtc 120
 cccctttatt ggccccagaa aaattcgagg gggaataggg gccaaaaata acttggggcc 180
 taaaattcgg ggggaaaaat ttcttttccg ggaaagctga aagggttcac cccatccctg 240
 gcttttggac aaaaaaaact accctggcca agaaaggggc cgcattgggtt accatattta 300
 ggatttcccc ggccgggaaa ctggcccttt tggttaaaaa aggaaacctt tttgaaaaaa 360
 ccattccttg gaagggtttg ctgaacaatt tcacctttat gcccaacaat aaaaaacttt 420
 ttggcgggaa aggggggtat ttaaataaat ttt 453

<210> 42210
 <211> 482
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037d04d1

<400> 42210
 gatcagcgaa aatggcaagg atatcagtct tcaattcatt cataaccttt ttgttttgc 60
 atcatacttt atatacactt gatcatcaca tgacctatta catcaattca cacataaacc 120
 cttcaaacc ctcactttgt tgagagtcca aaagacactc tagttagcaa gaatcagaga 180
 aattattagg atgggtccatg accatcataa tcttcaacta tctctgtata acatatattt 240
 gagttttatt aattctttct ggtaaattga aaaaacttag acatatgtta catagagatt 300

gatggagtat cgagactata gatacttagt aatggtgtca gaccacctaa taatttttta 360
 tagaaccgac ctaaggctgg gttccaactc gaaatcaatc agaagcttct caaaggagca 420
 tttggctttc tctgactacc gctataccat gatagcaagt gtttggcatt gaatgaccgt 480
 ga 482

<210> 42211
 <211> 472
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037d06d1

<400> 42211

gaatgaacaa agctagtatt atgcaacaaa gaaaggcaca gcaaagggaa tatacaaagg 60
 ggtaagactg cttccaccta tgtatcacta actgacaaga catgaaaaga ccaagtgcct 120
 ataaaaaaag gacagcatga gcagcccaaa ggctgatcta taatgccggg ataaaccagt 180
 caagagaccc aacatcccta catgccgtac ctagaactct cttggggaag aggaccttgg 240
 gctacattga tggcttgaga tctgaactga gtttacctcc atatacaagg tgctgacatg 300
 gagaccatgc caagcatgcg acattatccc tcgccaggag atccacatag agcccatcct 360
 gcagaactat catgcgaggt taaacaactg ttctgttgaa caaatcaacc ctttgtggtg 420
 ggagactcac cgctattggt ggatctggga cattcactcc acccacctca at 472

<210> 42212
 <211> 429
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037d07d1

<400> 42212

cccccaacc ccaaaaaaat aaaccaatg gggggggaaa aggggaaaaa aaaaatccag 60
 ggggggttta ttaaccaga aaccggaaa aaaaggga aaaaaaatgg gggccgaaat 120
 tcggggttac ccccgggggg gggggagaga aaagtttttt aaaaggggga caaaaataa 180
 aataaggggg cggcgtttta aaacggggg aaggggaaa cccgggggga acccaaaaaa 240
 aagggttggg agaaaaaacc cctttggcca gggggggaaa aaaaaaaaag ggccccaccg 300

aacgcccttt caaaaaagtg cccaacctga agggggaagg ggaccccccc tgaagggggg 360
 aaataagggg gggggggggg ggggggtccc caaaggggaa ccaataaatt gggagggcct 420
 aaaggcccg 429

<210> 42213
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910037d09d1

<400> 42213

gattgcaaca gataataatt aattggatat cccattatac agtatccttt ccaataccat 60
 atgacacaca aaaaaaagaa gcctgggtctt tgttcataca acattatatac acagattgcc 120
 aatcatttta taaactaggg cgattcttaa ttagcacaaa taaatgacat tcaaagccca 180
 cctgcatgag aggaagaata ccacccatca acctataagg gatatacagg ctcacttagc 240
 tggctcctgaa catcagaagt ccaaaggggtg aggggtgtctc ttaaagctg cattatgagc 300
 gtgctgtctt tgtaagattc ttctaccaag gtgtgcagct cagcaattgc ttcctcaaaa 360
 acctgttttag acatggcaca cgctttatca gactgggtga ggatttcata gtanaagacg 420
 gagaagttga gagcaagacc caatctg 447

<210> 42214
 <211> 319
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037d12d1

<400> 42214

gcgaccttgt tcgagacttt ttattttatt ttttttcggg gtaggacaac actttctaga 60
 tcattagaat atgggttcca ttgttctgga acttattaag atgacctgc cgcacatctg 120
 ggtaccaatt gtctcgtggg acagaaaagg cggagatgcc acctcactt tgataagccc 180
 tgctttcgtg atttttaaga gccagaacat ccacgttctg gaacaacttt agcattttgt 240
 tgtgaggcgc accgacaact ttgccttgcg cttcactgtg agcccattgc tggttttttg 300
 agaaaagaac cattacgac 319

<210> 42215
 <211> 570
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037e01d1

<400> 42215

gagaatcaaa cactgtgttt tccattcatt ctaaactctc tggtagtctt tgaaatacca 60
 tttgagagag ataagataaa cacaccatca tccagaaata cagaaagaag caaatgatag 120
 aaagacgcga gagtggaaat taaaaagatc taatgctacc tacacatcca tattacttat 180
 ccaccacccc aaagcaacca aacaaacacg agaaaaaact ctagcataca gattaacatc 240
 tataaactat agattaagga gttctatata tctaataact cgaaaagaaa aatttgaaca 300
 gtgaacaaaa aggaggaaag tagttattgc atgcggttaa ttaatcaagg atatgctcca 360
 ttggtagtgg gaaggtcaga ccaggaaagg gttggattcc agcacccgaa ttcactccca 420
 gaaactgaag atgactccaa aatgttggac aaagaagagg atgaagaagc catgttgctt 480
 agaaacactg gtgagttatc acttcccca taattaactg atgacgatga cctgagcttg 540
 tgtaaagttc ttgaactcca ctaacttgat 570

<210> 42216
 <211> 541
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037e02d1

<400> 42216

atctcctacc ctgtggacct cattatagat ttaatttcc aaagatacag aattcaatac 60
 acaatgaaaa aacaattttc tataagatta ttgtaaagaa ctttagttgc ctgtgggtgt 120
 tcttccaagg ctaacagcaa ttaatcatgg ttgtaatcat actctacaaa gtcagtatat 180
 aatagagtgc catcatctgc ttggtgaagt agggaaaaac attcatcaca gaaataacaa 240
 gggttttctg gtgtccattt gtcatccacc gtgacctttg tagctctgaa tattttgcaa 300
 acattgcatt tctgaaaacg caacttcaac tgaaacgtga ttattggata aacagctcga 360
 ttatgaacgt cttcagggtg aattaacctc atatctcgta tcactaaggt atgggtgcag 420

tcaccctgat gacaatagag gtatccagca ccaagttgaa agcttaagtc acaaaaacgt 480
 atcttatgca tctcaatgga tctaaaatga ggcaattgtg atgcagatat ctcacccatg 540
 a 541

<210> 42217
 <211> 482
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910037e05d1
 <400> 42217

gtacaagaag aaaaaccaac aattcacatt aatgtttgtg caatatatat tacaatcaga 60
 aacatgaagg acatgttcca caactttgtt caccaccac ctttttttc ttatgcccc 120
 atcctatctt cataactccc cataaggtat aacaaaataa agtttagact aatcactaag 180
 tctgctcagg tgtgacggtg atggacacac tcagcaggcg tgactgggaa cctagcagtg 240
 tcagtgaat agtcatagaa aatgtgcctt gccctaacct acataagctg gtggctctgg 300
 tgcaagttga gttaagccaa attaggtcca tccaaccaata cttattcccc tcaactgctg 360
 tgcacttctt agcattatcc attgcagcca ctgtcacggg acactcacac gcatttatct 420
 ggaagtactt gtatgtggca atgaaaggtg cgtgggtcca atctgtttta cagcaccacc 480
 ct 482

<210> 42218
 <211> 571
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910037e08d1
 <400> 42218

gataaaaagt aatattgatt gatatcatatc aggataacat tcattttgac caaagattac 60
 atacttgagt caaactccaa atttgcaatc tagacgcgca ctaaaacggt atgattttat 120
 tcgggttgat tgaaacagaa aacggcacia agttgtggac ataatggaat gattaagcac 180
 tgatgagaat cagaacttct taatgaagtc gtagatgtga ttgctcacgt cctctgctgc 240
 ttcttggttg ttgaagtgtg caacccttc ctgcaccacc actttctcta aagttggcac 300

atcttttcttg aaaccaccgg tgtggatata ctccttcate cccggagaag tgtacaccaa 360
 gtcaacgccca cctgtgatga acttaaccgg tacattttacg atgcctgctc cagtccatgg 420
 tgctggcagt tcccaattta aattgagggt tctgtagtag ttcaagcctc cagagaagcc 480
 agtctttgtg aatttagtaa cataataatc aagatcttct tgagagatcc aagagggcaa 540
 ggtgtctgga gtccctggat taaatccagt t 571

<210> 42219
 <211> 498
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037e11d1

<400> 42219

aaaggttaac aaacagcaga attgaataga tgtcaaaacta atataaaaaca ccgtctgtta 60
 caaagctttt catattttatg gcggaatgc tgttcaaaat agaaccctaaa gagttcaaca 120
 taaactatga aagaaacaaa atttgagaac aaataacacc ctaaaaatct tctcaagtag 180
 tcttatccgc tttagcagca gtggcagcag cttgccccct aagacgacca gtccctcctag 240
 cagcaatgag accaacccttc tggccaggag gagcatcacg cctaacgggt ctcgcatgcc 300
 caatatgctg atgattacct cctccgtgag gatgctcaac tgggttcate ggcacacctt 360
 gcaccttagg ccatgaatga ctcttcactc tgaacttatg gtaagcatta ccagccttca 420
 gaagaggctt gtcaattctc ccttcacctg caacctggcc aatgatcgcc ctgcacccac 480
 ttggcacaat ctttttctg 498

<210> 42220
 <211> 499
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037f04d1

<400> 42220

acttgcatga taatattata tgataatagt gccttctaag gaggtaacaaa ctaacacctc 60
 aaaaagacaa aagagaaaat gttctcttaa gcaagaacag cagtgactac tggaatcccc 120
 catgccatgc cattgcttat tgctacatag ccattacaca ctacacatata tgcacatgga 180

taacatacga ccaacttaac tcacaacaag gttgccataa ggcaaaaata tatggtaagc 240
 ctaacatgct ccaagtctct tgccatccac aagtcgcttc cagtacaaag caatctcttt 300
 ctgagtctct attgcactct taaccttctc actagtctca ctagagatgg ctgtgatatg 360
 agcaactttg gtagtgaggg ggctaggaag tgtgtccaag agcttcacaa ccttctctat 420
 gtcagcagaa agtctctcgg ccaagccacg gctgaaatcc tccctgatca ccacccggag 480
 gaccgctatg tgttgcgcg 499

<210> 42221
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037f05d1

<400> 42221
 agggccccc aaatgagaaa tttgtttcca aaaaaaagg agcaccgatt ttttgtcaaa 60
 gggggggacg aaatgggtcta ggtgaaaaaa ggacaataaa aacgccaaca ttgggaaggg 120
 atagacagac cctttattaa agggggggga cttaacccaa ggggttgggg aaaggggggg 180
 gggaaaacac ctggggggata aagaagggca aaaaaacaat gttaaagtct aaaggggaaa 240
 cagtttcaag ttgggggggg ggccgacaac ccca 274

<210> 42222
 <211> 512
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037f06d1

<400> 42222
 ggcacaaac aatcaatttc attaacaatg gaaaaattac cggtattact tccaattta 60
 gagtgcataa gcacagttgt tttcaagttg taacagattc ctataagatg gtgaaataaa 120
 gagcatgtgc catctactcc accactggtg tatttctctg acacatttaa actcagattc 180
 aaacgttagt tttgcttccc agtcaacct ttatacagaa cttggcacc tcaaattatt 240
 ccactgcata aaactatgat catcttgctc ctctttgcct cttctcttcc aatgcagctg 300
 cctcatttaa catatcagcc gcatccttgt gcatgtgcag ttttgcaaga gcaactgatt 360

gtatgtagaa agccgtgggc cagactggat aaacacactg tgcttgcatt gcatctgcga 420
 gagcaggatc tggttgatca cataacagat agcacagact ggccttgca aaacagttgg 480
 agagaacatt gttccaacat caataaaact gg 512

<210> 42223
 <211> 505
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910037f07d1
 <400> 42223

gctcgttggg ggcacaaacc caacaaacat actgtgcatt aatctgattc tctaaagtca 60
 gcaatacaaa gaaaataagt gaagaaaatt catttgcata cagaaaatac aaaggctata 120
 aatccaaata cgtaaaagtt agaataccaa ggaataaact acaaaaacat aaataactca 180
 aaactattga aaattgtgtc cttgcgggtg atcacttccc tcccgcatta tcagcatcag 240
 ctgcaggatc tgaactggca ctacctgctt ccgtcttggg tgtttcatca atcctcctac 300
 tagaatcatc gtctaattca tcatccatca tgtcatcctc tcccacattt atatcttcca 360
 catcatcatc gtcgncatta ttgttttctg cagggatctt tcttttcttg ggaccatgct 420
 ccagcctatg agtatccaac tctttgtcca ttgtctcctg gtaattctgg ncattgataa 480
 ctttccttgc gttccttgca ttctg 505

<210> 42224
 <211> 501
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910037f08d1
 <400> 42224

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 aacagaaaaa aaaaagaaaa agaaaaagag agcagcaaac aagaggatcat ccctaaacaa 120
 tacatcaatc ttaattcgaa tcccctattt tcttttctt aagactattt caaacaacaa 180
 agtgaaagtc ttatgacaat tcttttctt tgtcagcaat cttcactaat tgatcataat 240

tatatttctca atagaaaaat actaagttca ggtcccccac taccatcagg attcaacatg 300
 taaaacgcct ccgagtcacg gctccccacg actcgctcaa acctcgccct catgtacatc 360
 aactcaccct ccgaccacc gccggcgggc gcggaggccg cctttccgtc ctccaggaga 420
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 tccccgcacg tacgggacac g 501

<210> 42225
 <211> 288
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037g02d1

<400> 42225
 aaaacaaccc acatttatgg ggttgattct tgcaagcaca aaatacggga tggggtgcaa 60
 tcctcactgg aactgagcgc attatgaaac acaaccactc aaccgaaaaa cctgccaaaga 120
 aaccacacgt tcacaatatt ttaaaacgaa atttgtgacc tttgtcaaaa ggagaggtga 180
 aacagtataa aggggtccacc gtggaggcgc cgccgacaaa gaccacaaac tcgtatcctt 240
 tacagggaca catagatggt gccccctaacc gcatacaaga aaggttct 288

<210> 42226
 <211> 499
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037g03d1

<400> 42226
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 ttttggggcc ccaaaaaaac tcgagggggc tctaaaagg gactctagg gaaacccaaa 120
 aaagggccca aaaaaaaaaa aaaggggggt tccctaaccg cacggggggg ccatttccca 180
 aaaaaagttt tctaaaaaaa ctttacattg ccttggggga aaacaaacgg gggggaagcc 240
 ctttgaaagg gaaaaaacct tttttttaag ggggggtggg aaaccagccc ctaaaacggg 300
 ttaggggggg gaaaaaaa aaacggccc gggggggggc ccccttttc taacacggcg 360
 aaaaatttcc aaagggggat ttaccaagc ggatcggttc cccctcaaa aaaaaagtga 420

acaacccaaa aaaggatccc ctgggggggg ggacaacccc ccaacatttt tttgcggggg 480
gggtaccaaa ccaattttt 499

<210> 42227
<211> 502
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910037g04d1

<400> 42227

accatatata tatagagaga gagaatacga agcacactga tcacaggatg atgctctctt 60
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tctagctaga gaaggtagta cttgcacaac acacagcaca tgataattta ttttatacac 180
aatctcattc tcatggtgct caagatgcat ggactaatta agcaacaatg ttggtctgat 240
aggcagtgtc cacagataaa ttgggtaccc ataaaatggc cttgctttca aggaaatggc 300
aaacaggggt agttccagga tcaactccca taagttgatg aagcatttga tgattcattc 360
cagaagtatt tgagtggcaa atagcaagtg cctgagtttt ggttccatca ccagccacca 420
atggaaccat gaaagctgtt gtttacggac ttcatggcag taaaatactg cagttctgaa 480
atttagccta tgacacatca ct 502

<210> 42228
<211> 437
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910037g05d1

<400> 42228

aaccaggcac aaaaaggacc atttaaaaaa aataaaggat ttttcacgag ttaatacaac 60
atcagcacca gagcaaaagg ctttggtaac ccatttgaga attgagcgct ttcaagcctt 120
aaatacaact acatttccca gcacttgat gcctcagcta gtaataagta actacaccaa 180
tatagccgaa attccttcca acacaacca ggtatggaaa actatgtatt taactaagcc 240
atattcatag tgagagttga taaaaggca ctcatctt ctttgaagac ttgatgacag 300
taactccttt ggatgatcaa caagatcctt gaaagaatat tttctaggcc gggcaacctt 360

gttgtagga tcaaacaaaa ggacttctta aaatgcgttc agagcagacg tgaagttttt 420
 ttactgtca aaggcat 437

<210> 42229
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037g06d1

<400> 42229

gaaaagagtt aatcaagttt ttattattgt atggaaaacg ttacattgtt ttaaggaaa 60
 agctgaaata ggccgacaat agagaattga tcagaagaag gaaagaaatt cagaaacaac 120
 aatgtagtaa gtgatagagg gaatgaatct tatttctttt tagtgggata agaagccatc 180
 ttgtagatac cgcagattcc ctcggtttt ccaatgatcc tcctcattct tatgtatcct 240
 ttctctcccc acttagatcc ccatgaattt ttcactatga tataatccac acctttcgca 300
 gttccgtatc caacagctgc cacaccatga tctaaggcac ttccgcaatg cccgtcgaaa 360
 acacccccac tgtaaaattg gaaatctctg cctgaagcct ctatggccac actgaggggt 420
 tggtttgcaa gtgccttcaa taggctctga tcattgattt gtggcacatt atggcacccc 480
 gctaagggtga caactt 496

<210> 42230
 <211> 415
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037g07d1

<400> 42230

atatacggga ataaggaata catgatcgca tttaaacaaa ctttacaggc ataaaagtat 60
 attaccatgc aaacagacat taattggttc atgtacaaat gaagcccgtt caaaaaaaga 120
 accctccttt gccagtcaa agcagcaaag gttttatcca atttccaaaa ccaaattaag 180
 aagacaggaa attactggta gcttttaatg aaatagccca aaccagact tgaaacaaaa 240
 ttattaagca aatgaagaaa agaagaacc cgtatgaaag aattaagtcc ctgccccac 300
 ccacaaatgt tgctgtgggt ggaatgatga atttaacagt aacaggaaca tccttattta 360

agttactctg caatgggttt gggcttggcc ctgtatagga gtttcttctt cttgg 415

<210> 42231
<211> 522
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910037g08d1

<400> 42231

aaaccaata ctacatgacg atttaaata catacactag aaaattgatg atacaactat 60
tcacaatgct gacgattttt acagaaattt aggcttccta caagaagatt taccgactca 120
cccccgcaaa atttaaaaga caccatagat tgtatctcgt ttaggaacaa ggcctgagcc 180
aaatacaact atatccagc attgggattg ttcccagcta gaataagaga aatttctaac 240
cctcggctaa aagcctgggt aaacattagg cgagtttgga atgttgatac aaatgggaac 300
cacaaaaaga aggcaatggg tacaagatg agcattccca taccagcatc atagaggcga 360
gcaattgatc gaacggattt tcatagaccg agcctcttca tgaccgggtt tcaggccgca 420
gcaattgaca gaattcccca accagtagga atgaaagcca acatagaagc aaatatgtcc 480
ggcaaagaca gaatggtcaa tataactgct acaactaaac ca 522

<210> 42232
<211> 527
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910037h03d1

<400> 42232

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atgcacatta ttttctcgaa ttaagatcat catcacaaat taatgtcccc cacaacttat 120
tcatgccaga ttttagaaca gcaattcata tcacagcttt gaaggcgact gataccagcc 180
ccacggttca tcagatatgt acttggtcac ttgcttcaca cttaaatagt tctcgagtcc 240
ccattctcct agttcacgac caaaaccact acgtttaacg cctccccatg gagcttgaat 300
gaagcttggt tgagcacaat ttatccatac aattccagcc tgaatagcct ttgatatgcg 360
ctcgcatctt tctagatctt ttgacattac agcagaccct aagccgtagt gtgtgtcatt 420

tgctagttca atagcttctt cttcgggtact gaatgttttc acacatagca caggtccaaa 480
 aactttcttc tccaaatttg catcgaggta gtcacatcag ttatgat 527

<210> 42233
 <211> 412
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037h05d1

<400> 42233

ggatcaatcaa gatgattctt aattcttatt atgttcaatc aacatcccaa actccagata 60
 tttattacat gctgcaataa tctaaattga attgaatagt tactgggtggc aattagcgtc 120
 cccttgccaa ctccacacaa tatccctgag cgaagggtctg acttggccct cacagaaatt 180
 aaggtattca agcgtgtctc cgggcggactt ggagaactcg accaccgcga cctccggcgc 240
 caccttgaat acctccaccg tcatggccag cttcccttcc cttcccttccg tgcctccctg 300
 catctcacc atgaactcct tcttccccgt caccctaaag ttcagcttct tggccacccc 360
 ctccagcttc gccatcaccg tcgaagccga aaacttggaa atgaacattg ac 412

<210> 42234
 <211> 330
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910037h06d1

<400> 42234

aacatggaca cggtttatga gacaccgacg tttggagacg cattgggagg gcatacatc 60
 aaacagcccc cccatgtttt taccagaaca cttggaatag ggcgatcgaa catacagatg 120
 gcagaattgg tggaagcgga gagagacaca cacaggaaga gaccgcgcat gccctggata 180
 tgacccttat aattagggca tcgctcgaca gacttccaac gtatagccat ggaatgaccc 240
 acttacgccg tttcacaatc gaggggcatg accacttccc atgcgaaggg agggcctact 300
 gttacagagt gttgcctacc atgcaatctt 330

<210> 42235
 <211> 474
 <212> DNA

09531113.032200

<213> Glycine max

<223> Clone ID: jC-gmro02910037h09d1

<400> 42235

gaatctgaaa cgtaattaa atcagatata acttgaaata tattacactt tttaatcata 60
taataatatg ggctacccta tgatcaggaa cctcaaatca aactttacag tggcgaaaac 120
taatgcatca gaacaccttg gacttgtaac tttgacata aataacagaa caattaaccg 180
ggaaaataaa gcatggaact tttattgggt tatcgggttg ggaaggaggc gacgaacca 240
ggtattgacc ttcaccagca gtaaccaaca tttactcacc acaattctct ttattcccaa 300
ggcttactgc tttcataatt ggtgggtgct tgtggccaca attccacatt tcattccaac 360
ttaaatttgg aaggtcaagt ttaatcaggc caaaaaagct gaagattctc cctactcaga 420
actttcaaca ccaatcgata aacattcagg tcatagcttg ttatatcctt aaac 474

<210> 42236

<211> 530

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910037h12d1

<400> 42236

gggaacaaga tatattcttt cgcccaaaag cttaagacat taatatgcct atattttcga 60
tttagcaaaa taccctgacg gtttttgata cactcgggtt gaagaactga gaacgattat 120
cacacaaatg gggacaccgc cgatgaccat tttcacatct tgaaaagggc acaatgttca 180
taagtgtaaa agacatctga gggactctcc aggggtcata agatcgaagg cctggtttat 240
ctccttgaca ggaagctcgt gagtgataga aatcatataa cttcaccact ccattcatgc 300
attctttggc aaaatgtggc aattgagtct tacctcagat gcctccgaaa gttgaaccta 360
ctattctgcg accatggagc aacgccattg ggtggatcgg aagcattttt cgagagggat 420
gaatccgtac tagcacagtc aatccccaac cctcatgaac agacaagaaa gcatgcctta 480
ctacgttcaa atttgagca cattgcataa tatagtgcac gccccacca 530

<210> 42237

<211> 445

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910038a02d1

<400> 42237

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gaatagaggg ggaaaactac cccaattcga agctttttcca atcaatagcc aaatcatgca   60
acaacaaaaa aaaaaagcac actttttttt tccttccatt tctctactct tatcgaaagc  120
ttactcacia acctaaaatc acggacatta ttataaaac tcaggcgcca caaactccaa  180
ggagacaaag aaaaagccgg ttcttccatt tctttatcca gctctttatc ctcagatttg  240
ctcaacagga tggggcacag actcagccaa ttggcggtag ttgaaagcat agaacatctc  300
cagataacgg cggatctcac ggcgggcaag gttacacaca tgcttccaga agccattgac  360
accggtgaga gtgagaagcc tcattggagga aattcgccat gcgtacttca ttttaatacg  420
ctggagacca tcctttgaga tcttg                                     445

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<210> 42238

<211> 481

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910038c01d1

<400> 42238

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ccttgaaagc aagataatca tccaaagcaa aattcctcat aattaagggg aggcagggat   60
atacaaaaaa gctttaaaac atcccctccc ggatcacatc gcactagtgt tctagtatac  120
tacatgagta tacaatgggt cttctaatta ataggattaa tacttaatac aatctgttaa  180
aactttgaag atgaggaaac caattatata aacttgaagc ttcttctcaa acggctttct  240
tcaggcagca agaaatataa gaaattggaa ggaggatttt tctttctttg ggtgaggggg  300
acacattaac agaactaggt ggaaggaacc aactattaac aacctgaaac agactacata  360
cacttctaca ggctgagtac ataatattha cactgaggcta cactatgacg cagacatggc  420
aactgctgt cttgcatgag agggaatcag tttcaccagc atgcctggag gcactccttt  480
a                                                                 481

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<210> 42239

<211> 403

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910038d02d1

<400> 42239

cttagcagag tcaactgctca ttgccatgcg gagatgtttc ttctcagtga gcttgatcaa 60
 cacaacataa atataccagt ataccatgca ataatacatgg acagagtaga gttccaattc 120
 aaatcccaaa ttgagaaatc gaaacgctat ccaataagta tgatcttcta cccatgcgag 180
 aatatgttgg tatattttga aacatatttt cttattgttt gaagtttttg aggcttgtgt 240
 aaactctcct ttaaaaggca tatctagctg tacatagggtg acatgccaga cttgtaacat 300
 tttccctagc ttacgccttt gccaaagcgc atatgtacaa agaattgtga gttaatttat 360
 caacaactgt gctaactgca ccataaattc attttcatga aag 403

<210> 42240

<211> 398

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910038d12d1

<400> 42240

aaatggacaa cactagatta tgtgcattat tggggaagaa acgtgggtggc atattaagca 60
 agagacataa gtcacccacc caccaccca ccaagccaac cccactttta actgctaccg 120
 gatttcaatt atacatagca tgggatgacg gccacaagcg tggataaaaa gaaaccaaac 180
 ctggttatat acttggggga agagggcgac ccatctgaca tataagacat gggggggggc 240
 aggcaaaata tggaggtgca tgtatatgac cctggtgtta gtgttgagtc agcaaactaa 300
 attgcacaat cactggcgca catcacacat gagtggggcc tcttgcaact caaaagcaga 360
 agataacaat gtacatgac gcgacccatg caccacct 398

<210> 42241

<211> 392

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910038e11d1

<400> 42241

aaatagtgc a atgtatctaa gacatgctat cttaattctt ataactgata attaaagcgg 60
 ggtgcatcaa tacactacaa tacacttttg aactgtgaac tatcaatata cgacacgtat 120
 ttatgcctgt gatgcacaca acttatgcc a tgatgattct tacgcgagt acagcagctt 180
 ctgacttatt tgattgatca ttccgaccca actaggggca atactcatta tactatgaca 240
 cttatcttta aactttgcag cgtgacaggg tggcctggac cagcgacat attcttatgg 300
 actatgtgcc cccactgggt aggaccaca ggcattgcaca gcacagatgt gcttctccat 360
 ttccatgttg aagttagcat tgtggcccc ac 392

<210> 42242
 <211> 523
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910038f11a1
 <400> 42242

gcaaaaagaa agaatcccag gcgaggagaa agatggaggg gaaggagcag gatgtgtcgt 60
 tgggagcgaa caagttcccc gagagacagc caattgggac ggcggcgag agccaagacg 120
 acggcaagga ctaccaggag cggcgccg cgccgctggt tgacccgacg gagtttacgt 180
 catggtcgtt ttacagagca gggatagcag agtttgtggc cacttttctg tttctctaca 240
 tcaactgtctt aaccgttatg ggagtcgcc gggctaagtc taagtgtagt accgttggga 300
 ttcaaggaat cgcttgggcc ttcggtggca tgatcttcgc cctcgtttac tgcaccgctg 360
 gcatctcagg gggacacata aaccggcg tgacatttgn gctgtttttg gcgaggaagt 420
 tgtcgttgcc cagggcgatn ttcacatcgt gatgcaatgc ttngtgctat ntgtggcctg 480
 gcgtggtgaa ggtttcgagg tgaacaaat acgtgcgttg aat 523

<210> 42243
 <211> 539
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910039a02d1
 <400> 42243

cagaccaatt caattaaaac caaagcaggt acactctgta agtggatgtg taagacgaac 60

aactggacag acacacatag tagtacaatg taaatcatca aacaataggt ccaaccacca 120
 ggaatattaa aggtacaatt caagtaataa cctcatactc ctcaagttct ttggctttca 180
 gcttttccct cacccttaag agaagtgtgg ttttccaaga atccagaggg gtcatactat 240
 caaattccct gacaacatca gtaaactttg caacatcttc ttcacatcaatt gcagcagcaa 300
 tgtccgcaa caatctatat tcacgtgttc ctgaaaatgt tggatccagt tcctgatatc 360
 gttctaattgc attgggtata gcaacaacct gctctttaca gagttggcag atgccagcat 420
 taagaagggtg tcctttaact ccatacttca gcaaattatt gttgagggat tggcgagcta 480
 tctcttcata aatgtcaatc gacttctgat attgaactag ctgagcagca aactgggca 539

<210> 42244
 <211> 413
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039a04d1

<400> 42244

gctaaagaat tgatcacatg ttccaaaccg cataacacta cactttccat gatacaaatt 60
 tgtccaattg tctatgattg ctatggctga tacaagtacc tattttcaga ccacacattc 120
 taaatttgac ggagctgtcc atgaccataa gacaacagat tggttgttct acactatatg 180
 acatattcac tgttgcattg tacattcgaa ctcatatagg acaacttgta tatcactcag 240
 gtcacatcct cttcaacagg aaactcaaaa tgatgccaat gatgccaaaca acaactacct 300
 tgatgaatgg tacaccgtcg cggattctgc cggcatcaca ccttaaaagc tccagttatt 360
 gaatgaagta tgaatgcatt gcgtcaacag taaaactcct ctctcagtt act 413

<210> 42245
 <211> 456
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039a05d1

<400> 42245

agggtggttcg acgtgcttct tcttcgcgtt tgctcttctt aaccctaatt aaaacatgtc 60
 tgcggtccta aagcatttta ggaagagctt atactaacgt tggggcacgg tcacgaaaac 120

caaactccga acattctcaa tggaatcaac ttatacagat acccttcatg ccgcgtcttc 180
 tgtaagaagc tagaaaccac gaatgagaaa gtggttataa ttttcaatgg ccatgatact 240
 acggctggta ttgataaaga agcagcctat gctgagaaga accccaaca attctgtcta 300
 taactaccaa gggtcatttc cttggtgaag aaatatTTTA aaccacagag ataatgtttt 360
 ggagtatctt gtcacccatt gtagatggca catacaccag tccgaaccaa agactggacc 420
 ctgctttcca tgcaaaaatg tccactgatg accatg 456

<210> 42246
 <211> 561
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910039a06d1
 <400> 42246

agcttcaaaa acgcactatc atggtgccat gattaagcaa ttagacaacc aaaggggtcg 60
 tggtgagaaa taggagctgc taaagaattg atcacatgta ccacagcaga taacaatata 120
 cttcccatga tacaaatttg tccacttgtc tatgattgct atggctgata caagtaccta 180
 ttttttgacc acacattcca aatttgtagg agcaatacat gacaataaga caacaaattg 240
 gtttttccac atcatcgac atatttcttg ttgctttcta caattgatct cattttggag 300
 aacttgcca tcaactcaggt cacgttctct ttaacaggaa acccaagatg agtccaatga 360
 tgccaacaag aactacgtaa atgaatggta caccgccgcg gcttctgccg gcatcacgcc 420
 ttaaaagctt cagttcttgc tgaagtcttc tgttttgctc aacaatagaa ttcctctcct 480
 cagttacctt ggaaataaga gctcttgctt tacaggaagc attctgatgt tcaccccgct 540
 aattgaaagc tttttgaagc c 561

<210> 42247
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910039a09d1
 <400> 42247

gacccgaata atgatacata cattcaattc aattggggac caggtgagag cgagagcatg 60

cccaaaatga taattaaatt tacttaaaag aaaacttttag gatcattaac catccaacca 120
aagatcaacg gccaccgatt caacaggaaa gaaaacacaa aggagggaaa accttacaca 180
gaaaaagatt cggagaaaat tcaataatac acattttttt ttttttatta tttcattttt 240
cccctttaga aaacagggct gggaagctgt tcgggggtgg ggttgatgaa aacaaccttg 300
taaataagcc cagcaattcc acctccgatg agagggccgg cccaaaaaat ccagggggtg 360
gtccagggtcc agttaacgac agcaggccca aatgtttaca gagggtttat ggttgctccg 420
gaaaaggccc cacccaacaa aatgttagcg ccaacaatga aaccaatggc gatgggag 478

<210> 42248
<211> 580
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910039a10d1

<400> 42248

aaaacaagga ttagagtacc accaatagaa ttagtcaagc actgaactca aagtttcaac 60
agggataaga gtaccaccca ttattgaaat aatcactcaa aatacagtaa tgcacccgta 120
taacatatca aagtggcgtg cggaaaacac acaggctcca tgaatatgtc ccgagagcac 180
gatggaggag gaggagtcaa acacaacaca aatacaaatt aaaagataat cagtactact 240
aggcagaacc gaatttaaga gaattcgagc caaatatctt agctaaatgg tacaagagct 300
gaaagacaag gtaatttctt cagccctgaa cctccaccac acttactcct cctcttcagc 360
ctcctccagc caattaacaa agggttccag cgccttcaca aaggtttgcc tgcccttgga 420
gtttgttcct ttctggaacc aatgaagaat ggtatcttca gccagcacat cctggtcata 480
aagagatcta ataatctcag ggaacagctt catcagttta gcacctcgt agcattgcat 540
ctgtactttg tacatcagct ccagctcaag tttcccgtg 580

<210> 42249
<211> 475
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910039a12d1

<400> 42249

gattagaatt ttgaatatat aaactttgag cacaatcaaa attcatgtga actcgatact 60
 cgatcttact gttagtatt actataataa attgatacac ttgtcaagga gttaacaact 120
 aatggtgacc actagctccc cagatcatg cacaatgcct aaagaatcaa ttagtcaatg 180
 taatcttact aaggttgaac gtgtacatat agacccaaag aaaacacaac aagatacggt 240
 tttttatcat ccctacaca aatacacaaa caccttgggc tcaactgact tgatcgtcag 300
 agtccttttt gaaagtacct tcccaacact ggagtaggag atcaaagatt ttaccaagac 360
 taggaacttg atcacaattc attggaactt aaccacaact tgccagaata gaatctaaga 420
 aactctttat gctttttatc aaaccaaaaa ctatcttttt aaatttgaac aagtc 475

<210> 42250
 <211> 525
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910039b02d1
 <400> 42250

aattccaatt gattaattca atgcctagac tacaaaaagt gccacagaac aaatttcttt 60
 tgcagatagt caaagttgga tgcttcatac tctcactgag aacatgccac atacatcaca 120
 tgactattag gactcagggt ggctattgat cacatttgca tttgagcaga taacatgaga 180
 cagcgttgag aggaagcacc gtgtgagaac tgaataaacg agctgtatgt agggcttcgt 240
 ttcatgtttt tgtttgacc aattatttgt tctaagtctt tcttgtgaag cagtgtctac 300
 cacaatgcaa ggtcgtcttg catttactgg gctagtcact gcccctgccc tgatctgtct 360
 cttttggtgt tctctatta gtcttaggga tatcactttt gatcacatta ttactatttt 420
 gatttgtagg gtagtcccca ggctcctcat tatgtgaagg ccacagccag ttttctgaac 480
 tgctgaattc atctacggat gcagaatcaa ttttggttaac tgcac 525

<210> 42251
 <211> 540
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910039b03d1
 <400> 42251

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 tgtccacttg tctatgattg ctatggctga tacaagtacc tattttttga ccacacattc 120
 caaatttgta ggagcaatac atgacaataa gacaacaaat tggtttttcc acatcatcgc 180
 acatatttct tgtggctttc tacaattgat ctcatTTttgg agaacttggc catcactcag 240
 gtcacgttct cttcaacagg aaacccaaga tgagtccaat gatgccaaaca agaactacgt 300
 aaatgaatgg tacaccgccg cggcttttgc cggcattacg cctcaaaagc tacagttctt 360
 gctgaagttt tctgttttgc tcaacaatag aattcctctc gtcagttacc ttggaaataa 420
 gagctcttgc ctcaaaggaa gcatcctgat gttcaccgcc ctcatTgaaa gcttTgtgaag 480
 cccctgtgaa ttccgcagca cttgaatgcc cattctcaga tacagatgca cgaggggatg 540

<210> 42252
 <211> 552
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910039b07d1
 <400> 42252

cataacaaac gtaggtggga tattagagta ctattattaa tgggacacaa ttgagttcaa 60
 cacaaaccga acttattttc aaggagcatt attacagacc cattaaacat caaagttctt 120
 caaatgtttt gggaacacat ccaacattac acaacgagct taaaaccccc cacggagacg 180
 gaggacaagg tgaagggttg attccttctg gatgttTtag tcagcgaggg tccttccatc 240
 ctcgagctgc ttgccagcaa aaatcagcct ctgctggTcc ggtgggatgc cttccttTgc 300
 ctgaatcttg gccttcacat tgtcaatggT gtcagagctc tccacctcga gggtaatagt 360
 cttacccgta agagtcttca cgaaaatctg cataccacca cgaagacgca acaccaagtg 420
 gagagttgac tccttctgga tgttTtagtc agcaagggtg cgtccgtcct cgagctgttt 480
 cccggcgaag atcagcctct gctggTctgg ggggattccc tccttTgtccc tgatcttaac 540
 cttgacgttg tc 552

<210> 42253
 <211> 536
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039b08d1

<400> 42253

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gaagttacca aaccatcatt tcctatcttg tttttattag tttacaacgg gtatacctgt 60
catcaaaacta tcaccaatac actgaaatca taatcataat gtaactgata acaccaccag 120
cattgacaaa ataaaatggg taaaaaaaag aataaaacaa aataaatcac acaaactctg 180
taaaaggctt tcttcccacc acccttgctg gcaaagacac cgttgaatcc acactcacgt 240
ttcctataga ttcaagtgc tgaaatttat ctgggattct ttgatccttg tttgagaacc 300
ctttagacca cttgaaagac ccaattcctt gtgacaaagg gaatgagagt ctctctcttg 360
aatcagtact agttggagtt ccaccaagcc tttctcttgg attactacta gcacgtactt 420
tgccctggc ggaaaggggt ggagccatgt agttaggcac tgaaaatggg gggcagcttg 480
tgaggctgtc atcatccttc aatggcacat caaagggtga attggacccc acaccc 536
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<210> 42254

<211> 506

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910039b09d1

<400> 42254

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aggaggcaaa acttttatta ttaaacagag tacaagagag atactctaata cctaatacaa 60
gatacttact tttaagattt gaacaacttt acacatggag aatcatgttc cttgttacat 120
gaactagcaa aggctgattt ttaattgaga gatataatga acgtggaacc aaaaaaagg 180
atagaaactc tcttcaacct attacagcat gaaaataaat tatgattgat tagacaatgc 240
aatgatacat agcttcccct gctcgatcga atcttccaag ctttttcttg gcacataatt 300
aagctaggga ggtgtaaagt cccaaaaggg ttggaagttg gtgtcatttg aaagtagtat 360
cagaaagtac gaaggagatg gggctgtagt atgtggtaaa tgggctctca tgattgtgca 420
caccttcata tggtgttatc acgtagctgt agtcatctct atccctttcc accctttttt 480
tcacactgca tcctccactt gaacat 506
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<210> 42255

<211> 579

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039b10d1

<400> 42255

agcgataaat gatagtgaga atgatctata aacatcgaac ataatatcca attgttcaaa 60
 cttcaaagct taaacataaa tagtcaattt agaggaaatg aaattgctga atgccccata 120
 aatgaagacc ttcaactgga gcttgaatca tcagtttttg ctgctgcaga tgcataacta 180
 aactactat ccctgttact tttgactga ctggattgct catagcgaag aaatttgatt 240
 tttatctttg ttgagcagtt ccttagcata tgaagaaaaa cactaattgg atggcgtcca 300
 cagattgtat tgtcactact caacagatat tgcttgaatg aatctggatc tcctgtttct 360
 atgatatcca tgcccatctt gtctaaggcc ttaatagatt tgtatatagg cccatgtttc 420
 ttgtcatagt gcatgtaatt gaatcgagat cccagtgac aaaagtctga tgaaatagag 480
 aagaagttat tggaatcatc aacatatttg ggcaagaatc tgcccataca tagcttcatt 540
 ttcagcacta acagcaccaa ctaaaatggg tacaatttt 579

<210> 42256
 <211> 356
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039b12d1

<400> 42256

aattaaaaaa aaaaaatggt gataaaaaaa gaaggcaaaa aacaaaaacg ccacaggaaa 60
 aaaaagaaag gaaagaaaga aaaaaaaaaa aaaaaaaaga agggcaaaaa aaaaaaaaag 120
 aaaacaatca aaaaaaaaaa aagaaaaaaa aaaagggaaa ggaaaaaggg ggcggcaaaa 180
 aacaacggaa agaaaaaaaa ataaaaaaag aacaaaaagc acaaacaaaa aacaaaaaaa 240
 caaaaggaga aaagaggcca ccacaagaaa aggaaaaaac aagaccagac aaaaaaaaaa 300
 aaaactaaca gctcaaacag ggaaagaaag aaaacaaaag aaaaaaaaag ggagaa 356

<210> 42257
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039c03d1

<400> 42257

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gtgagaggaa aaatgcatta aattgagaat aacaatgaaa aagtacatca atacaaaaaa 60
aaaagactaa acatacatta actctgctgt tgggagcaca agaaattctg ctgcttattg 120
caagagcatg atctaccagc agagttggaa ataagaataa caatggaacc tacttattcc 180
aacacacata caacaacat gccataagggt gtctttttata agtagacaga caccacatgg 240
catagcataa ctaatcaaaa agcatgggtc tcgcataaat gatgagaccc aaaagataaa 300
agatacaaga ttcattccatg aacaagacaa gattcttagc tatttacgac tgcacaatgc 360
ttactgagct ctgcctctgt ccctgtcttc acattaattc ttcccathtt ctctatggag 420
gatgcaaact tagtagagaa attttcaact gtcccttcaa gcaattggat gatttgagac 480
tttgtaactg agttag 496
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<210> 42258

<211> 302

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910039c04d1

<400> 42258

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caacggttgt ataaactctc ggaccttttcg cgaagatggt attcggacaa acaaattcca 120
ttaagggttt gaacaactga cctggctttt tttttaaaaa agaaataaaa aaaaagaagg 180
gtggagaaga accttatatg ggtggggggg gctgaaaaac aaagcttgta aaaggcctag 240
agggggcgca ttcgccgact aggaggacta aagagggtgg cagcaatggg gcttaaaacc 300
cg 302
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<210> 42259

<211> 479

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910039c05d1

<400> 42259

gtatgacatg atcattttca aatttacatt gcatccaagg aatggatata taataaaaat 60
 aacaaaatcg tccataacgt acatatacac cagatacaaa ttttttaaga cgtatgatat 120
 ttgaaatgac ttaaactttt acacaagaac gaacaaaatg ctataatgaa ttcccacact 180
 gtcacacagt tcaaagttat tgcataccaa taatttcaag aacccttatt aacttacact 240
 ttcaaaggga ttggcacaac taatattata tgctaataaa tataataatc ttaagatgat 300
 gaagcagggt ttggaagatgg gttgaaagga acctgctaag cgcatgtaag gatgtaatgg 360
 gggccatcct gtttttgtcc aacaccaaga aggtcaagaa tatacaggta atgggaaaca 420
 atattggtca ttgagttcca aatcaccttg ttcacaaaca ccatatccat aaataatgt 479

<210> 42260
 <211> 412
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039c07d1

<400> 42260

caaaaaaagc ccccttttcc atcaaaaaaa aggatttttt ttaggttaaa atcttttagcc 60
 ctttttccct tttaggaggg gggccaaatt ttttccttcc ccatttgga aatggctacc 120
 cttcccaa at tttggggggt atataccata aattggaagg ggggtttttt ttggggggcc 180
 cggaatcacc cttaaagaac ggggtttttt ttggggggccg gggttcttcc ttcccaggga 240
 atagccaaat ttttttttat aaaaccccc cccgggtaaa cccgccgggg ggtttttcc 300
 ggcccccgga aacccccaaa acccggaatt ccggcccagg ccttaaaatt ttttttaagg 360
 tctttccttt cccctggtgc ctaaaaacgg gggactttcc cccccccgg gt 412

<210> 42261
 <211> 468
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039c08d1

<400> 42261

caacacacat cccctttttt cttttttatt ctcaggatg gatacaagg tgcattgaat 60
 gcgataacta atttttgcca cgattatgat cgcacataaa ttaagtattt ttctcggaag 120

gtgatttatt tcatgccaaag tagggacaaa gtgaaagaaa atacactaat tattattatt 180
 gttattattt aaaaaaaaaat catcactaaa tatagccacc gttgacacga acaatttgac 240
 cgttgaccca ttcagaagca tcaggggcca aaaatccac aacgggtgcc acgtttttgg 300
 tctaaccgag cctccccaag ggactttttt gcacgatccg attcaccacc tcctccgtct 360
 tacccttgaa gaacatctcc gtcgcaatcg gtcccgccgc aacgcaattc gccgttatct 420
 gcgtcccttt cagttccttc gccaggatct tcaccattgc cttcaccg 468

<210> 42262
 <211> 439
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039c10d1

<400> 42262
 gggggaaaaa aaaaaaaaaa aattttttttt aaaattaaaa aaaattgaca aacccccggt 60
 ttttttattt ttttttttaa aagggggaaa aaaaaaaccc ccccccttta aaaaaggggg 120
 gcccataaat aaaaaaacgg tttaaactcg gaaaaaaaag gggccctttt tttttatttc 180
 ccccaaaagg gggaaaaaaa aaaaatgggg caattttttt aaaaaaaagt gtgaaaaaaa 240
 aaaaaaaact ttgggccaaa aaaaaaaaaa ctggggagga attgccggga attttctggg 300
 ggggggggaa cccccccccc ggggacctgc cctgaacaaa aaaaactctt gacagggaaa 360
 aaaaaaacct tccccacaa aaaaaatttc ccacaggagc cccctttttt ggggtttggg 420
 aaaaggaaaa agggggggcc 439

<210> 42263
 <211> 577
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910039c11d1

<400> 42263
 gacccatcca atattatcaa gacaagccag tagggcctct gctagagtaa taacaacacg 60
 gacatacaat gcatactcta aaccttgatt gaaggattca ttctcattcc ctgttgctag 120

gcatatactg ttagtgaggg cccaaccaac tgggtggaata gccttgaaag agacaagtat 180
 ttctgatttg acgaactcca acatctccat caaaactttc tctttcaaaa tcaatagagt 240
 ccggaagcat ggaaacaaaa tagatttgtg ctttaaagca ggtagaagaa caggtgggag 300
 atgttgcaact agccaaggta tagtcagaag ataaacaaaa aactgcttag cagcatgggtt 360
 gacatccagt gcgccaggca cttctacatc atagtttgct agataaaatg gccgcacagc 420
 taaagttatt gcacttgcaag taatgaaaaa aaaatcatct gcctgggtga tactctttga 480
 ctgagaggaa tgattttcta atgcactaat atatctgcc aatagacacat aacatccact 540
 tttattaccc cncaggaact gaattaaatc tttcact 577

<210> 42264
 <211> 538
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910039c12d1
 <400> 42264

gagatcagaa gaacaaccgc ttttccaacc aacaaagaca accacaccaa atacaacaac 60
 aaaggtagc aaaaacaagg cttgtgttta atccggcaaa gaagccacca ttagctatac 120
 acaagtttga aacaattctc aagtttactc attaaactga atcagtattc agagtttaac 180
 atcatgtgca aggtcagcac tagaaacacc atgattcgaa aacaccctct cccagagtcc 240
 ctttctatca gcaacaaaaa ctcaccagca aaacttcttc cgtaacctag ctttttcttg 300
 actatcaatg taagcaagca gctcttcttg cctcattagt gcttcataaa gagccttttt 360
 agttgcaatt agctctgctt ccaaagcatc caccgcacat acagcagcat ttagcaattc 420
 ctcttttca taaggcatct ccgatggctt agattggagt gtgtcaacct tcaattcaag 480
 ctcacctaac cttttcatca ttgaggaaag gagatttgcc tctacatatg ctggagtt 538

<210> 42265
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910039d01d1
 <400> 42265

aacaacccaa ataatgaatg ggtgcgagtt tgaaactatg taatcacaat aatatcactt 60
gctaagggca attcttctact tcaaaagatt tttttttaca gggccaaacg actattaagg 120
gtttattact gttctcctat tcaatgaagg agtcattccc aaatcattcc tcctatgggg 180
ggggattgaa aactccgaca cttcaaattc gagaaagggt gcccgatgtt ggcagcctca 240
aactcgagac aggggtcatcg agctgaacat aattctacgg aagccatcct tttttcctgg 300
cagcctcgag ccttataaaa agtttttgac gctacattcc cacctccagc tatttaaggc 360
tcatgtggaa gtggcgctcc tgaatatctg taaacactgc ctctagcaga gattgtgaac 420
gcccaaattt ttc 433

<210> 42266
<211> 382
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910039d02d1
<400> 42266

ggggccaaat aaatggtaat gaaatatttatt ttaataaaag gccaaaaatt tttcccaaaa 60
gggccccctg aaatgaggtt tttcttttga gctggaggac aacgcataga tggtcagagc 120
tctcatgagc tgacgcaaaa ggcaactgcc taaacttggt ggggccaag aaccctccta 180
ctctaaataa ggggtccaaa tagagactgc ggaattaaat ttgtagtttt ccaaggacaa 240
aaatgacgat ttttaagacg aatcccttgg aatagttata gaaacaattc agaacttgat 300
ccacgtgaga ctcccaaccg aaaaaaacag gccctagcca atatgccctg tgctgaaatt 360
gaggaaaagt tgtaggccaa cc 382

<210> 42267
<211> 533
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910039d03d1
<400> 42267

gaaaaaaagg acggacaaat atctactata acaatcaata acaagtacat tagcaagtat 60
tcaagccaag tacatcagcg agtatataaa aatccaaaaa ctcgatcccc ctgcacaaga 120

gaaaacatca gaagtccaaa aaagagctaa tgctcctcca acaagtaaca ccactgggtt 180
 cagaaaccga gttattcaga cctttcattt tttgctcgag caagacacta aatcgagct 240
 aaacataaac atacggtaat aatgtgaaga caagctactt tgaagtaaca ccttaaagag 300
 acttcttggc aacgaatata agaagatcaa tgacacgtga gctgtatccc cactcgttgg 360
 cgtaccaaga aacaagctta acaaagttct tattcaaggc aagtcagcc tttgcatcaa 420
 aaatacttga tctgctatcg ccgataaagt cagtggagac cacattatct tcagggtaac 480
 caagaattcc cttcaacttg ccctctgaat cctccttgat agcattttta att 533

<210> 42268
 <211> 548
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910039d04d1
 <400> 42268

gaaaacaaaa taatgcatat cgcactcttc aatttccgtc ccaaataacg gatttttgta 60
 atttatcctt cgtaatttca cacaacaac aagggaaatg atttatatct ctcttaaate 120
 cttccaactt aaatcactcc ctgctaagtc actcaaacca aacaaagtgt taatggata 180
 atataacatg cagaatcagt tgaaatgctg gaaactagat aaaattatga agttaatcgt 240
 caattacaaa catcactcca tcgtccttct taagtagtg tgtggatga tcagtctcat 300
 ttgtgttgct cagttctaga ttgaaaaagt ccattgcagc agccttaaat agagggccgg 360
 cgtgccatgt tccccgggta agcttaagaa atttggaaacc tgaaatcttg aaaactggga 420
 catactcaat ggttggaggc acatatgaat gaccagaacg tgactgcaca atcttcttgc 480
 ctgtgtcatg cttgatctca tttgaatcaa caacagatga cttggccact ccaagatacc 540
 aaacatga 548

<210> 42269
 <211> 511
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910039d05d1
 <400> 42269

0053113.032200

caccgaaaa atataaataa aacaaaatta aacgcagcca tgaatgaccc atgagccaca 60
ccaatcaatt tgcaaacata ttcacaatca cgccaacata gcaacaacat caccacagag 120
cacaacaaca cgcagcacat gtacctgaat catcatcgac aacaactcct cgatgtccat 180
ttcggttcat tactgcattc gccttttcaa caattcccct ttcggggtaa aagacgacac 240
accccagagg ccaaaacata acaaagaagc aagcaaataa ctaaaatatac tcagtctctga 300
aacaagaatt aacaaaaaca actacaaagg aacgacaatt agcatgggag tcttggttgt 360
tcttcaagcg agtgtaggat tctctgcagg agaagtctc cacacgatat ctttaagagc 420
tggaagaagc tccttgctac agaactggtt atactccaag gtgtcacccg tgcctttttt 480
aacctccacc aacaaaaacg acggcgtcac g 511

<210> 42270
<211> 501
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910039d07d1

<400> 42270

aatacaataa atcaatctaa atatttttctt attaagtga acaatatgct gttatcttac 60
aatatataat tgagtgaata atacaaatat acccaaatca aacaactttt aaacatcaaa 120
taatgcaaaa cataagagta aatccaccct tctagttcat gtgatcctta attaagaact 180
tccttctaga aatggatagt cagtataacc cacaactgga tcaggagtgt agaaggtctc 240
cctattgtac ttgttgagtgt gtgcatcaac ctcaaaccct ttaggcaaata ctggattagc 300
caaaaacaaa cgaccataag caacaagatt tgccttcttc tcagccacag ccttggtccc 360
ttcttttcta tcataacccc cagcaacaat gaaagtgcc ttaaaggcct tcttcattgg 420
tgcaagagtg tgaggggttt ccttattctc ccagaaatg tccatcttg gctcaaccat 480
gtgacaataa agcacaccat g 501

<210> 42271
<211> 530
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910039d09d1

<400> 42271

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catcgggtatc taaattcaat aaaaaaagtt ctataggttaa tgcagcaaag aaagataact 60
taaagaattc aaatagagtt gggggaaatt caagcatgaa tacatctaaa agaccatatc 120
cagtaaaatt cccccaataa atcaaagcta agtcctaata taaaacatca ccctgacaga 180
aaaaatgttg gctggggtat tttcacaaaa ccctaccgac agataccctt ctgctgccag 240
actcattgat gttagcaa ataacagatca gctaccactt gagaagctgc ttgtaaatct 300
gtacatcctc catgaacaca ttaagcctca aactgcccgc ttgtccaaag ctttactgct 360
ttattaccat tacttttctg attctttcac ttcttacgga aggaaacagt gcagaaaatt 420
accaaggaca gtgctaaaca tcttttctcc aattttcatt ttcctttagt caattaatta 480
ggttattaac tccaacttca tcaagtctgg catttaagaa atgaaccata 530
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<210> 42272
 <211> 533
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039d10d1

<400> 42272

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ggcatcataa aaatataatt gactagttca aaactattgt ctcaaaacaa ttaacattaa 60
tcaaaaccag aaacgataaa taccaaacaa gtcactgttc taagacaaac aaaacgaaag 120
tagagaccaa caatatccca ccagaattt acttgatctt cttcttaggc ctcaactggc 180
tactatgacc gcacttcttc ttacggcagt tcacagccct aggggtgcaga cgagcatagc 240
atttgcgga aatcatcttg tcttggttgt atttgcgagc caaagccatg aggggaaggc 300
cgatgatgcc accacgaagc ctgaggacaa ggtgaagggt tgattccttc tggatgttgt 360
aatcgccaa ggtccttcca tcttcaagtt gctttccggc gaaaatcaaa cgctgctgat 420
ccggagggat gccttccttg tcttgaatct tagccttgac attgacaatg gtgtcgctgc 480
tttcgacctc gagggttatg gtcttccccg ttagggtttt aacgaagatc tga 533
```

<210> 42273
 <211> 486
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039d12d1

<400> 42273

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acgacacatc acagagaaat aaacttcacg ggaacaataa cataaaatgg gtgatattct  120
attaatccaa agcatataat aaatatccaa gctacaaaa tagacaaaac gttaatcagt  180
atccccgcat taatgtctca gtagctaagc gatgacgtat tgatcagcta gcatacagac  240
tttaagatac aaatacttca cacttaggac ccatctggct gcataaaggg gttggcgatc  300
tcactgttac catcagttgg ggacacaagc atcacagcag ttcctctaca aacaattaag  360
ccaagatttc tggctctggc agtagttttg agaggatcat caggatctct taaaaactct  420
acagcttcat ctaggacaag gttaagcaat tgatcatacc ctttcagagt ccctgtcact  480
tgtctt                                     486
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<210> 42274

<211> 551

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910039e01d1

<400> 42274

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acaaagagtc ctattcatag atttttggct cttaacaatc aagaaacctt atgcaagcac   60
atctaaatgc ccaggatcga ttatctaaga tctttacatc tgagttgatt tgagaaacac  120
tctcaataac tgctggtaac tattttctga cttggaattt tcaaattctt gtttccaaat  180
tttcatctac ttgacacttt atcactcttc atcatcaaac ttgacttcct ggttgctcat  240
tcaatctcaa agtagaccaa cagtttcatg cccacacaca cacaaaaaaa aaatcattgc  300
ttttacacct ttttttcaat ctaaatatca ttgaaagaa cttccaaatc ttcgctgagt  360
ccaaacattt ccgacagaga gctccaaatg gaagaaatcc aaccagaaga atgttttagt  420
tttggccttg gaacaattga tgcttcatga gttaaatacg gcactatata agttttcatg  480
tcactacgag agatatctag atgatctcct gatacgttaa caaatttaac tttcccagct  540
tcgtcaagag c                                     551
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<210> 42275

002230"ETTTEE560

<211> 529
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910039e02d1

<400> 42275

cacagaaatt aagatcatat taccataatc ttcataactg atcatcaatc atatttttct 60
ttttcatttt tctccgcata gttaaaataa ggggggaaa agagaaagat aaaaaactgt 120
tcaagtggat aataaagagt aaaaatagaa aaaaattaat aattcctttc cttcaacgaa 180
ccaaatacat catttcgcgc cgttttcaat ttctttctctt cagaggcaaa gaacggtgca 240
gaacagatca tcggttgcca cgtcagcatc gtccaacggt aacacgttta gatcaaacgg 300
caacggttct cgccggaaaag acgacgccac gttgtcgccg tctccgtcgt ccacaacgga 360
tgacgacgag tcgcagtcgc tgcggcagtc ctcggaacg acggggcgcg tccggggata 420
tctccggttg acaatcaccg gcgccgtcgc cggcactgag gctcgtgggc cgatgaagga 480
ttctacggcg ctgctcatc cactggaggt ggaccgccgg tgatcctgg 529

<210> 42276
<211> 573
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910039e04d1

<400> 42276

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tacaacaccg taagctactt ctactaactt gtacacatta acattaattc ctgacgagtt 120
aagatggact ccatattcaa tttagcaact gttatgtact tcaattgcaa ttataatatg 180
catgtaatca caaatcatca gtattgggca cgcacggaat aatctgatcg tgagtgcaaa 240
tttacatcca aaatttgag aattcgtgct caactcatcc catttccttt ctctctatg 300
tcaagctcag ccattttatt acataactct gtaccacgat cctctttgtc attaattctca 360
ctctgcggtt caacacctga actaataata tagtcatctg atattagcca ttttcctttg 420
ttttcacggt cagattgttt gcaagtatca tcctccttta ccacattatc atctaattca 480
ggcgaagaga aagacagtga tcttaccacg ttgntcttgg ggacatgaga agattcactg 540

cctgagggtg gcaacatcag aagcgtgga tga

573

<210> 42277
<211> 546
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910039e05d1

<400> 42277

gcacaacagt aaatatttatt tcaagctcaa tcgttcagaa tccttgggaa agatggcaaa 60
aatattaaat atacttataa catttaataa ccgacatgta ttcattgagca tcgggaaagg 120
tagaagggtg aggaagaagg cgagccagga tcaatgataa ttcaaatattg acccatttgc 180
aagtcatggt ggaggtgtcc gccgcctccg gacacggcga ggtctattat cagagcctcc 240
atctgaagat tcgtttgcat catcagatcc agattgtcca tcataatttt cccccagag 300
tgtagtagtg ggtctcctta ttcgcatttg gagtgtgga cccctggaca tggaagcagg 360
ctgaagaatg aggaaaaaca cagccagcag accaccatca tctatggggt catcaacccc 420
aaatgaagtt tgaagtgtgc taaggaggtc gccaaagatcc ctttggcgct tcaacctcct 480
ccagctacgc tgacgtcttg ggtctaccgc agatgggcgc tcgagaggat gtttaagtct 540
tgcatg 546

<210> 42278
<211> 487
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910039e06d1

<400> 42278

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attaacactt aaatgtcttg ggggaaaata caaagcatgc aactgagatt tcaagtgcatt 120
gtgaaatctc ttactcaaaa cactattata aactggcac tagacacttt gccaatgaag 180
acagacagaa agaaaagagc atgctatcta tctacatcta ttggaaatca aaaggaaaac 240
gggtacacca aacaatttgt ttcaccggcc atcagcagaa gtaaaagaat ctgcaaattcc 300
agtaggcctt gcagggatac tactcttact gtcttcaagg gccatataac ttaagtcctt 360

0953113-032200

tccttctgcc tcttgccatc ccttcaccat ctggttaagg ggaaggctat aatcaatgcc 420
ggaatactcc tcggtgtcat catcaaaggg tttccatttt tcgacaagcg gtgccaacac 480
attcacg 487

<210> 42279
<211> 404
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910039e07d1

<400> 42279

aaaagcaaaa atattttttt atttttccaa cttttagccc aacaaagccg aggttattta 60
aaatctataa tacctcccc cctttttatt caaggggacc cttggttggg ggcccgattt 120
ttttcggggg gataaaacaa aacctgggtt ttaattaaaa ccctatactg gggggccctt 180
gctttagggc aaaaatcgcc cttggttttg gaccgggggg caaaggaatc atcctgggta 240
aaattggggc gggggtaaaa aaaaatgttt ttgggaaggg tgggttgggg ttctaaaaaa 300
aaatattggg gaaccctggg gctggattaa aaaaaattat ttttgggaac gcttggcctg 360
ggttcaaagt cttcatacct cctaaatttg ggggtgggga aaaa 404

<210> 42280
<211> 320
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910039e09d1

<400> 42280

atacacaagt gatttctttt atagtacttc aaaatggaaa agtgtttttg tggtcaggat 60
cagaaaaatg ctaaaaggaa gtaaaatcat gtgaaaaaca ctcaattata tatattgcta 120
gcaatggggtt acaattgaaa ccaaacttca cctgtaattc atttgggagt agggggagcg 180
gggtaggcca ttatcattgg cataatacta tatattgaag ctgcttgagt tctttttcag 240
gtgctgaagt agcagttgct tcaaaaatac aattctgtca gacttgtatt ttggattata 300
tcagacttgt gaccccaatt 320

<210> 42281
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039e11d1

<400> 42281

gatctaaaaa catccattaa ttttaactcgg atcccagcta cacctttccc tgcactaaac 60
 tctactacac caagcaaaag ctcccgtttt tattaagtaa accatacata aaagaaaacc 120
 gaaaagaaaa gaagatcaaa ggaagatagg tagcacctaa gggttactaa attctgataa 180
 cgagatacaa aaggggtgtgc agcccacatg taactttgtg tctatatccc atgtgaggaa 240
 cagctccctt tcaaagctca tcttttcctt tttcttgctc atcttgctct tgttcttgct 300
 gagcagggtt atcttgctct tgttcttgct gagcagggtt gtcccgggtc ttttcgatga 360
 attctatgat gtcttccttg gtcctacccc ctctgtattg tgataacttt ccacttgctg 420
 acctgaagta cacggttgga taaccttgga catcaaaggt tttacttggg atatcggtgg 480
 cagttgcatc cagttttgca ataacaacat cagc 514

<210> 42282
 <211> 481
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039e12d1

<400> 42282

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 tatgtaatgg tagaatgtca caagcctcag taatatcatt tgggggggga agatgataca 180
 taaatactac ttgagcaaag atagagccat tctttaatct ttagcaattt gacttatctg 240
 aagagagcca tttttttgct gccataaat caggaagaac aactgcacca gatttccttc 300
 attccacagc atttgggggc ttaaacctat ccaacaatag ggcatgcatc cctatgctct 360
 tagctggctc atagtctttg cgcattgtgc ccccgatgtg caaagcttct tcagggtgcaa 420
 tatttccggc cctttcaagt gccatctcat aagttttcgg gtttgggttt ttgaccctt 480
 c 481

<210> 42283
 <211> 543
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039f01d1

<400> 42283

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 ccagaaaact acaatacaaa caactattgt tggcccttgt ataacaataa tatatatctt 180
 ttttggagca taattgaatg aaccgtgtgt ggaaatcaaa tcaaatccgc tggttttaat 240
 ttagatgcct tgaggccctg tcctttgatc tgactagcgg gtgtagacat cacacacaag 300
 cggcgagcaa tttcggcaaa ggatggcctt actgctggat taggtgcccc aactgctcc 360
 attagtgttt tccactcaag atcacaatag ctagggattg tcggccttaa tgtgttattc 420
 acaatgcctc ctatgattgc gccatagagc atattaccat atggctcatc accagtaaga 480
 atctcctata tgacaatgct caaagagaac acatcaacct tttctgagac cttattgcta 540
 cta 543

<210> 42284
 <211> 400
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039f02d1

<400> 42284

gttattgttc tttttttgga cccaagcag ggtggataag caagcaataa aatgaattc 60
 taacgagggg caagagatct tgatgaaaaa gtacaaaaaa cgacccatct taaaccataa 120
 aaaccgtgag ttgccccctt aataactgga taaaatgggc caaatcata aaaacaaact 180
 ggtgtagtag gggaaaacgg aaggctaaga ggaccttcta aagcaaagaa ggtatttttc 240
 agaggatcta caaccaagaa atgccccaa agggctcgca aaagcttctc caacctaaag 300
 aactactaca gatgaacccc ttggggatgc agggcgaaca aaaaggcgga aagggtattg 360
 gaagaccaca ggctcactgt ctgaacggat gaaagcgccc 400

<210> 42285
 <211> 541
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039f03d1

<400> 42285

actcaattat tcattttctt gtatttatat ttaaaacagg catattttac aaaggacacc 60
 catcaaaacc caaaaaacta cacaaatgag ctatatacaa gcattcagtt gacatgcata 120
 tatatagtag tgcaatataa cgaacaaaca tcatatccat gcattctatc acaaacaagg 180
 aacactaaga agcatatata tcattattac acatccggca ttccaaagtt tactaaatga 240
 tgcttttatt tagataataa ggattaaaac tctagccaaa cccacttcat caccaatcac 300
 aactctttt tttttcttgc tatgccttga caagatgac atcaatatct ttagtgacct 360
 tagcagcaaa gtccaaaaaa gaatcaggag atgcagcagt gatattctcc tgcagctttt 420
 catattcgaa ggtccatttc acaattcctg cattttcctt attaatact tghtaatgtgc 480
 cccttaaact cttgtaacct tcaactgaatt ccccatcaaa gaggtgtat gatattatct 540
 t 541

<210> 42286
 <211> 420
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039f06d1

<400> 42286

aaaatacaaa ctggggccatc gacccttaga ataaactcaa attaacaaca aaggtaatta 60
 cactggggcca ttttgctcaa tgaatgatag aactaacatt tcaataatgg ggtcatgaca 120
 acattaaaga tcatccaagg taattacatt ggcattatac caatgaatct caaaagattt 180
 tttttcacia ttactctcaa tatcacagca agaacttttc aagggttttt ttaatgattt 240
 tggaagaacc atttcccaca aacctaacct acatattggg gtggagggtc cataactggg 300
 tacccttatg ccatttgaca ctaactcctt taaggctcct cttatttctt cactattcaa 360
 aatgtctaga aatctttttg ataccccaaa ttgccagaaa acaacaatgg cacaactttt 420

<210> 42287
 <211> 472
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039f07d1

<400> 42287

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ccccccctct agtagtcagt ggtgggaagc tgctcgtggg tgtggctgat aaagacaacc   60
tcgtaaaciaa ggccagcgat tccaccaccg atgagaggcc cggcccagta gatccagtgg   120
ttggtccagg tccagctcac gacagcaggc ccaaagtca cagcgggggt catggccgct   180
ccagagaagg ccccaaccaa caaatgtta gcgccgacaa tgaaaccaat ggcgatggga   240
gcaataattc ccaaattacc cttcttgggg tcaatggcag ttgcgtagac cgtgtacacc   300
agaccgaagg tcatcacgat ctccaacacc aaggcgttgc caactccaac tccagcggag   360
agtccgaatg ctggaacagt ggaggcgtg acgaaggcca ggaggaggga ggcgacgatg   420
gagccgagga gctgggcgat gacgtaaacg atgccgcgga ggaaggtgat gt           472

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<210> 42288
 <211> 482
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039f11d1

<400> 42288

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acgggcccac aaaccgagtt tccctccgcg gggagtggca aataaatatc tttatagggg   60
ggccccaaaa aacaaacaac gggccggggt ttaacaacgg ggggggggga aaaaccggg   120
ggtaccccaa ataatggcc tgggaaaaca ccccccttta cccggggggg gaaaaaaaaa   180
agggggcccc cccaaacccc cttcaaaaaa agggcccccc ccaaaggga aaggggaccc   240
cccccgagc gggctataaa gggggggggg gggggggggt cccccaggg ggccccgtaa   300
ctttgggcgg cccaaggcc ccccttttt agattatttc cttttttttt acaaagggtc   360
gcggggtttc ccccaaagc taaaaaagg gggccccctt gggggggccg ataaaggggg   420
taacggcccc cccccccaa aaaacttgtg tggggggggg gggccaccg gggggcccc   480
cc                                                    482

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<210> 42289
 <211> 528
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039f12d1

<400> 42289

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 taaaactata aatcagacag aacccggtgg cgcattgaat tagtatctcc attacagtta 120
 tggacattgc atccaaaccc aatagaaaga tcagagtatt acgcatccca agaagtaaaa 180
 tcctactaca atttagcacc gagatgtcct aaaccgcatt acatgagcac aaattcgaga 240
 tgtcctaaac cgcattacat gagcacaaaat tcgagttgtc ttggaagagg accaagaaat 300
 aaaagctaga taatgttcac ccctgcatcc agaattacca atccgcaaga ctcccaaagg 360
 cattaagcct tattggcaat gttgttggaa agccagtcca gaccttcgta aaggccctcc 420
 ccagaggttg cacaggtgct ctgaatgtac cagcggcgct gtctgagaga gtgtagaccc 480
 aacttgctcg taatctcagc agcattcatt gcattaggaa gatcttgt 528

<210> 42290
 <211> 418
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039g03d1

<400> 42290

ggggggggccc accataaaca aatcaaataa aaaccctccc aacataattt tggctgcaaa 60
 gtgcaaacca ttgcaatggc atacatagaa cttatgtttt tcgcactttg gggtcataat 120
 cataatttgg ttttaccac aacttattaa tgcttgcttt tggaaaccta taacaccctt 180
 gaaggaaact ggaaccagcc ccacgggtta tcaaaaatat atgggggtgac tcggttcaca 240
 ctcaaggaat tattaaggcc ccatttttct tagtcacgac caaaaccact gggtttaatg 300
 cctccccagg gggcttgagg aaaatatggt ctataacaat taactcaacc aatctaaggc 360
 ttaaaagcct tagtaatgcg ctcacacttt tctagagcat ttgggattac gggacaac 418

<210> 42291
 <211> 551
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039g05d1

<400> 42291

aaattcaaac aatcacatTT agcagaagag atacaaacat ttggattcaa tcaatttcca 60
 aggggaggtta gctaaaatcc aatatctaaa ctttagctac actatcgaga atgcctaaaa 120
 ctatcaacaa ataccagagg ttccatccaa acatccatga aaacgtacaa gaaaaaaaaa 180
 actagagaaa ttcaatcacc tctcctaagt actaccctc gtgggtataa tttagagatc 240
 tactttccaat tgtaataaca agataaaactt ccgacatcat ccctaaagtt gatgagggtca 300
 agacacagct tcattatcaa gaagcttgtg gtgttatgtt gtaaaaaaat tccaaagctt 360
 cttccctatt gaagcttcac cgggttgcag gtaatcttcg tcatcctcat tctcaactcc 420
 accagcagca tcttccccat gggattcact cctataactca gcatcattct cctccacatc 480
 atctgctgtt ccgttcacct cctcactcaa ggccatattg ttgacaaagg cccgatggta 540
 tcaccaccat a 551

<210> 42292
 <211> 350
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039g06d1

<400> 42292

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 agggaggtta ctacatatca tactggtaca gatggcatgg cactctaaaa tgcattgcaac 120
 aggggaacact atcacttggc cacatacagg ccccatgga gaaccatagg aatcaattct 180
 ggtatggaag aaggaactgt ataaaggac tacggctctt ggtgctaattg cttagaactt 240
 gaagctaaca gtcattgcaag ataacttccc ttcataattc caaggaactt tgaaggatc 300
 actaaggga aatgcttaaa ccatcgttga gccatgacac caataaatgg 350

<210> 42293
 <211> 492

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039g07d1

<400> 42293

acttgcatta taatattata tgataatagg gccttttttag gagtaccaa ctaacacctt 60
 aaaaagacaa aagagaaaat gttcttttta gcaagaacag caatgactac tagaatccgc 120
 catgcattgc cattgggttat tgctacatag ccattacaca ctacatatata tgcacataga 180
 taacaaacca ccaacttaac tcacaacagg gttgccataa ggcaaaaata tatgggaagc 240
 ctaacatgct ccaagtcttt tgccatccac aagtcgtttc cagtacaaag caattttttt 300
 ttgagtctct attgcactct taacctttct actagtctca ctagtctcac tagggatggc 360
 tgtgatatga gcaactttgg tagtgagggg gctaggaagt gtgtccaaga gcttcacaac 420
 cttcttttatg tcagcagcaa gtctttcggc caagccacgg gtgaaatcct ccctgaacac 480
 caccggagg ac 492

<210> 42294
 <211> 576
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039g08d1

<400> 42294

aataagaata agaatcaaaa ttaaaatcaa ataaactgga taccaaccat aaggccgcga 60
 cctggtatac gaaactttca ttacattaat gggttgttgt tcataggggtg ggagagaaac 120
 aactatgtac agcaacaact acaagggtggg attgttttaa aaaaaaaaaa aagcaaggtc 180
 gatatacccc tatatcacct cactcaaaaa cacaattgat taaatactag ggattgtata 240
 actgggcagg catatactac taattccggg atttccaaaa ttggacggat actactcttt 300
 taatgccatc ttatatattt gatttgaagc agtcactgat aagcagcagt cagcctcgat 360
 ttcactttca agttatgttt tccaactgga tggatggctt catgacagtt ccttactttc 420
 catcccagaa tctgaaagct atggaaatca atctactaat cattaggcgt caaggccatt 480
 ttctgaattg aacttttgat gtggctgaca tataacaact tttgcatctg caccatcact 540
 agccatcacc gactgttttt tttatttttc gagctc 576

<210> 42295
 <211> 427
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039g10d1

<400> 42295

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 tcagattttg tatggaatag tgttcgcaaa acctcaaatt tgggaagcaa acatatacac 120
 atttaccgca cgagagatcg gcgaaaataa agaacctaca atttggactg tttcttggaa 180
 cttcgaccag ctatgaattc ctgcatcttc ttgaattgct ccttcgtcat tccattataa 240
 taattatgag ccctctcctt ttcaagggaa agtgcattggc caagatccag cttgaggcca 300
 tcattgatga ccgccttgta cctcaacacc aagtcttggg tattttttcac aatggcatcc 360
 gcaatttccc tgcttttctt caacaattca cccttttaac aacatgggtc acgaaaccca 420
 acttctt 427

<210> 42296
 <211> 359
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039h01d1

<400> 42296

agaaaccata ctttttatat taaattttgc ataaccccat gcacccaaac ataatggagt 60
 tgacaattct cacaacaaaa acacgtgaaa attgatcggg ataaatgatt tcgaggcttt 120
 gaaataaaaa caaatgaagg gggcacacct tcacatgcta aaacaatttg gaataccgag 180
 tttgctggag aacaatattt taatattcta aacggcttta taagggaata ttacgggcca 240
 ttatgaaaaa aggcctgtaa aaaacgcctt ctaatggagg gacaaactaa aatagcccag 300
 gacatccaca atttgtaacg aagaacatga atgcccacaa gttcaaaacc ccgagattt 359

<210> 42297
 <211> 497
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039h02d1

<400> 42297

cagactgtat ttgtttactt tcattagggt taaataatta tagtagctca gaacatgccc 60
 tccacgatga agcttcactt cccctttccc ttatccaaga gaacacatat tgaataatta 120
 tgggtacaagg tgttcctagt acaagaaaac tagattagaa agtaaaaaca tgtccaccct 180
 ggccacaatt caagcataga gcacttgaca agtacaaggt gagaattcgc ggaaagcaga 240
 cgggcgctcc acaacctccc acgtcacact aacctcaaaa tcacctttcc ctgggattct 300
 atcactcttc atctttccaa ttgcaacgtt taaattgtac gatgccacgt agattctgtt 360
 gtccaaaccc gtcgcaaaa acggactctt tataacgtcc ctcggaagc tccctccttt 420
 cacgtagcgc cacgtgtcct gctcctcgtc gtacacccta accggcgcggt ccccgatttc 480
 cgctatcacg aaaaccc 497

<210> 42298

<211> 538

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910039h03d1

<400> 42298

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 aaggcataat taaaatcagt gctgaagtat ctttcaacca aaagggtggtg gtccataaca 120
 taccaaaagt gtctaatacta acgaaacaaa ctcaacctga aaactgtatc aaagccagtg 180
 cagaaaataa caatccatca tctactagta aactccaaaa tataaacctt aagaaacaag 240
 gttgtcatta agagataacg aaacaaactc aacctgaaat ctgtatcaaa gccagtgcag 300
 aaaataacaa tccatcatca ctaagtaaac tccaaaatat aaaccttaag aaacaagggt 360
 gtcattaaga gataaggaag ccagctgata agcagtagcg ccagcctgct gctgagcaac 420
 attccttagg acgtccattg cctcagccac ctttgctttc agggcttctg gcgactcatg 480
 caaatgcaga acttcagtct ggtccatctc aagaagcatg cctgtcactt tggcagca 538

<210> 42299

<211> 407

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039h06d1

<400> 42299

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 agtttgcaat ttgcacaatt ttaagaagt aatcataccc ttggcccggc tatagcctac 120
 agatgtcaca ctagtttccc tcctctttga atatggaatg cgcaagggtt tactttatca 180
 aaacctgaca ttatttttgt tgaaggcact tcattacagc tggatttttt ttaccaaag 240
 ccacagtagg gggagggtct tccttgtttt gaccaacaca atggtaataa ccttccttgg 300
 ccgaaaaatt atctggcttg gtatatttag aggccgggga gatattcatc cccacagatt 360
 acaagggtt ttgaaggatc attttgatct gaaaatgctt tattggg 407

<210> 42300
 <211> 492
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910039h07d1

<400> 42300

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 aaaactcgct gcgcttaaca aaaatgtaat caggggttct cacaaccccc acacattaaa 120
 acagaatgat aaaaggggtc ttgccaccgt cgatcaagaa cccaattttg ggaacaaaag 180
 ttgcgagatg atgggggaga cttcaaacta tgtccgaaaa acaagctacc tagaaacgaa 240
 gacacaaggg caagaaacca acatttattg gaaccataag aaacgacatc ccctgatgaa 300
 ccaaaccgca cgattcactt ttttttctgg gcagccttgg ggaccttggc tccagtagga 360
 tccttcttct ccacgttctt gatgactccc acagcaacag tttgacgcat attcctgaca 420
 gcaaagcgac caagtggggg gtacttagag aaaggtttca ccaccatggg ttgggtcgga 480
 atcattttta ca 492

<210> 42301
 <211> 550
 <212> DNA
 <213> Glycine max

002220" ETTES60

<223> Clone ID: jC-gmro02910039h08d1

<400> 42301

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gtgtggagaa aaattccaat tactgcaact tagcaacaca aaacacagac cccaagatta 120
ttacaccata caaagttatg ttcacttgga caactcctgc gagaaagtgc tagccagaga 180
ttgaatggtt gaggaagaaa ccgcacttga gccaccaagg taccatttct tgatggcctc 240
taccacattg gcattctcta tcacatactt ggagtcttct tccccctcca aagataccac 300
aatctcagca gtggcagaat ttgctgggaa atgggtatgtg atcactgaaa gtttcttgaa 360
gtacttggac tggaaaaatt caataacttt ttccaaagct tcttcttctt cctcctcata 420
tttgtcctca gctgccaaacc tatccctcac cgcagtctca atctgaaccc catactgtgc 480
acccttgatc tctttgatca ccacaagtct aataaacttc tccaccgagg cagaaatgag 540
agcattgaag 550

<210> 42302

<211> 567

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910039h10d1

<400> 42302

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aaagatcaac ggccaccgat tcaacaggaa agaaaacaca aaggaaggaa aaccatacac 120
agaagaagat tccggagaaa ttcaataata cacatttttt ttttttatta tttcattttt 180
cccctctagt agtcagtgtc gggaagctgc tcgtgggtgt ggctgatgaa gacaacctcg 240
tagataagcc cagcaattcc acctccgatg agagggccgg ccagtagat ccagtgggtg 300
gtccagggtcc agctcacgac agcaggccca aatgtcacag cagggttcat ggctgctccg 360
gagaaggccc caccacaaca aatgttagcg ccaacaatga aaccaatggc gatgggagca 420
ataattccca aattgccctt cttgggggtca acggcagtgg cgtagactgt gtacaccaaa 480
ccgaagggtc ttacgatctc caacaccaaa gcgttgccaa cttcgacttc agcggaaagc 540
cccaatgctg gaacagggga ggcaatg 567

<210> 42303
 <211> 485
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910040a08d1

<400> 42303

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 tctcaaccag aaagtaaaaa atgtacatcc ttttgcctt ttccccttat taaataacac 120
 aacttaaaaa caggggggca gtttggccac agacattgac cgtagttcat ttcacagtcg 180
 gcaacattaa aatggaagga aggaataacc tgatacatTT tcatatccaa aaaatggaaa 240
 attttgttgt ttggcattgc caagagttcc taaattatta aatttagcaa ttacaaaaaa 300
 aaaagggatt aaaatgagaa cagggctgtg tgtgattaag acgctgcaga ttccttagca 360
 attttctcgg ccttggaat gaccttctca ataccgcaa ccatgtaaaa cgactgctct 420
 ggaaggtcat cgtattttcc atccacacac cctggaagct ggcaacgttc tccttcaact 480
 caaca 485

<210> 42304
 <211> 513
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910040a10d1

<400> 42304

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 aagccattac actgctgcta catctaatac cgataaatat ccaatggtaa aatggcctag 180
 tctgtaaaca gactctggta totatcagca cggataatca tcagctgcac cgttctgcgt 240
 caggtact catgccacca agcacttaac attgttccca aaaaattcta cgatggcata 300
 taggtagagg tatcgatctg cttaggaagt tgctttatat ccacctgaaa ccttgactga 360
 acattgttga gaacatcaac atcagtataa caggaaacaa atgtgattgc aaggactttg 420

gtgccaaatc ttgcagctcg accaaccctg tgtangtatg tgtcagcaga atcaggcatg 480
tcatagatta taacaatggt gacacgttca ata 513

<210> 42305
<211> 377
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910040a12d1

<400> 42305

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gcattggcac atagtatata taacctggga aactaacagc aatcaaattt gttcgccatt 120
tggaatggga atttgaatac aaataccggg cataaataat ataaccctat gtacacagcc 180
aatttttggc tgaaatttga tacaaaatag tatcaatttg tatkataaaa aaagggccca 240
aaaaaattta tgtgaaggta aaggggaagg gtatcaactg ggggtaaaaa ttttcggctt 300
tcatttactt aaacatgggg tccttcctgc acgttcacat tttctttatt tggttaagcc 360
ctgttgacct tgttttt 377

<210> 42306
<211> 463
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910040b09d1

<400> 42306

attcaaaacc agttcctgat ccattgatta tgatttggtt tttcaaagg attcaatcca 60
aaaaatagtc tgtgagaact atcagatcaa tgtttatgta ccccgaaata atgagatgtg 120
caaatgtggc tagtgcacaa tctaattt attgactaca acaaggatag ttagggaagt 180
ttaacttaat ttacacctt tcagccgtac aagacttgat tgtatacaa gaagactcaa 240
tatgatggat ggaaacaatc tcattaggaa cggaacttga ggctcactga ttcatagctt 300
ggaacataga gaacatctcc atatgatgcc attgtgagag gggaagaaat gagtttttgc 360
gaaattgaag tgatatcctt tgaggttact tcatccactg ccttcaagaa atcctcacag 420
gtttcctcta ccatatgtaa aatttgctt cctatatctt ctg 463

<210> 42307
 <211> 510
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910040b10d1

<400> 42307

gaataccaag aaccgtaata tatttactat ttttcttttc agatttacat aagagtctag 60
 gtggtaatgg tataaccaat gggtgactac tgactagtta gtaaaagaaa aaaaatcttg 120
 atcaacaaac aaatttaaata taaatataag aataaatgac ccatgaccca agctttcttca 180
 atgcctttga gacggaaaac caatgtcacc caaacccaaa aatgccccaa aaaaacaaga 240
 agaaaaaaaa aaactttctat ataattcaac cccttaatta gggacatctc acatttcttc 300
 cagggtccacc atagtaaaag taattcccc aaacattatt aatccctcct tgtatgtcat 360
 agcaattcgg gtgatccgct agaaccgaa gatttgacaa tggtagcaag ttgttatccc 420
 aatccacaac ttgcatgttc ctaaaatatg aagctttccc aaaaccttca ctagcaaaat 480
 gtccactacc catttgagtc gaagtgtgag 510

<210> 42308
 <211> 506
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910040b11d1

<400> 42308

aaaaactaag ttacctgcca ttactagta gaatctgttc agaacttaca tttcagatgc 60
 caaaagcata cactcacttg aaaaaggaaa ttacagagcc atttacagaa taaccttccc 120
 aaggaaaaat acaggtaaaa caaggcaagt gccacgcaga actgcacaaa taaaagctca 180
 gctcactcat tgctcgcacc aaaagcttaa acgagcctcc atatgttaat taaattcact 240
 tcaaaatcag aagaacatca atgggttaaag tagtaaaata agttagaata gacgtgcatt 300
 ttcttcaatt tacagcttgg ttatgtagaa gccttagtta ttgcaagagc taaggtctct 360
 taggtcagcc attggtgatg tttcacctaa cagttgggtg tagtgaaact caatttgtag 420
 cagtctatgg taaagggatg ctgaaaaaat gagacctttc ttggcatctg ctttcaattc 480

tctgataggg attgcagcta ggaagc

506

<210> 42309
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910040b12d1
 <400> 42309

aaccatgtta aatgacatca tatgacatca tatgatccat ataaccaca tcattctaatg 60
 gaatatgact tgattattgt aatattacaa ctgattcacc atatacaatt cacattaaaa 120
 ttctactata atcgtgaaat ctgtaagtta aaaacatttc aggaggttga ataaaaatac 180
 ataaaaagca ttaaaataaa atcaacagaa tttatttccc tatatatagc gagacataaa 240
 cgtaagtaaa gagcagaaaa ataaaaatac ataatccaac ctgtatcaac aattcaatct 300
 gtgcaatgta caggcatcat atttttaact gtccaaagaa acatgaattg ttaatagcca 360
 aaaaaaaaaa gatttcattt gaacacaatc tgggtgaatac ctaaaattaa 410

<210> 42310
 <211> 513
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910040c09d1
 <400> 42310

acgacaaaaa ttttttaatt cccaaaaatt atgattctgg aaaacaattt gtcgcaccaa 60
 acacccccta aagctagatt tcaaataaac taggcatcag acatacatct actgccttat 120
 tttctcgctt caaaattcca cgcccgaaa acctatattc tctgaagtag tagacaagtt 180
 tatttttcgc aaaaaatata tgtcctatgc agtcatcaat agaattcttat ttaaattgatg 240
 cttagtaatc ttgggctaaa caatcagtag ggctccacgg gggctctgaa tttggcacca 300
 gcatacacag cagcagaacc aagttcctcc tcaatcctca ggagctgggt gtacttggca 360
 agcctttcag atcggcaggg agctccagtc ttgatctgac cagttgctaa tccaactgag 420
 aggtcagcga tgaaggatc ctgagtttca ccactcctgt ggctagccat gacaccccaa 480
 ccagcttgggt tagacattct cacagcttca ata 513

<210> 42311
 <211> 400
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910040c11d1

<400> 42311

aaagaaacgt gaatgttata aatggaaaaa tgaaatcagc atcactaata taaatagaga 60
 gaaataattc caagccagca gtataacttg aaaaaagcaa tattttctaca cagcaaaacg 120
 tgtctgctaa tatgtaggga acttaggggc cacattgggg gcccaagact ctaggccacc 180
 aacaatatcc ttggcagaaa tgaaacccat tttgtgaaga tactgaacag ccctttgaga 240
 atcatttccc cttctgcata ctacatacaa ctgtgcactt gatccagaaa ctacaccacc 300
 ttctcttccc tctttcttca aagctgatga tacttcaggc agcctagcct ctaatgttga 360
 gagtggaatg ttcagagact ttggtagaga tacaatcttg 400

<210> 42312
 <211> 367
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910040c12d1

<400> 42312

aagaaaacag agaatgttaa cttctgatta tctgcaactg caatgcaagg atgagcacia 60
 ggtatccaaa ctgtaatcgc cgttttttga ttttcgtgaa caaggagggtg ctagatactt 120
 tcttagtaaa ctaagcacia taatcaaaat gttttctctg tctgaggaaa ttacagcag 180
 cccaaatggg gaagatcatg ataatgtctt caacttgtct gaacattcgt cataatctgc 240
 ggggtgctttg aagtttttca ctgatttacc caagacattt aaaacagcaa cacgctgcaa 300
 ttcttttagct tctctaatg aaagctgaat tgatctcttc tctaactcaa cagcatgttt 360
 gctaagt 367

<210> 42313
 <211> 431
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910040d10d1

<400> 42313

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aacacttaac attaatTTat acaaacagaa tttcttcatt aacacttaac agcaaacacg   60
agaacattca atcaccccaa atacataact taaccataca taggtagatg aaggaatcat  120
attccttcta ttcactTTtta ttgaaaacca gggaaagtac tgcaacaacc atagagcccc  180
tagatggaga tactgttggg aattcctctg aaagtcaatc cctcctcact agaaggatag  240
agcaaagtgt aaggcatttt agccggccca ctgcggtttc tcaacgtctc gtccttggtc  300
ttctgtataa gcttttggtc aatctcttga agcttctttc caaacctctt gaaggcctct  360
agtggaccag catcagaagt ccaatagtca ccaccatctc tctccccaag gtagaactca  420
tcagatgtgt g                                     431
```

<210> 42314

<211> 463

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910040d11d1

<400> 42314

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aagtccaaca aatccttcca gatcaaatat tattcagttt tgtttataac aaaactTTTT   60
TTTTTcttt tccagtagat acaagcatgg gaaaaggaat ctttaagtatt gaacaacaca  120
cccctgcccc tataagccag taactattgg atcagaaaaa tgatttattg caaaagttag  180
gttgaaagag aaataacaca tatcttaact atatatccaa gattctaccc cgtatcatgg  240
cctcggtttt cctcacctcc ttcactggtc cgatgatgaa gaccttgta ggtgggcccc  300
tgggacctcc cgtgagaatt tcggcattgc aagactgott aattgacaaa attgttgccc  360
ctcttttccc aataacaagt cccatcttcc cttggggaat atcaagaact gaaagaattt  420
cttcttgga tcacttccat cagcattcag gttatctgga atc                                     463
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<210> 42315

<211> 380

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910040d12d1

<400> 42315

gccaaaattg caattctgat attgactaca aggacgttca taagtgtgc agttgtcat 60
tctttattct acaattctac tgctgtctga aattgtcccg ttttatgaag actacattct 120
tatagtattc catttatagg gcaatcagca caaaaatcct ggggtattga aagggaatt 180
tggatcaatt tccaccggat caagtgagaa attgaaatca ggaattggag aattggttgc 240
tgatgtgttg gtggaaatga tctcattgat atcggatttc gaatgtgacc tgtttagat 300
cccatcaaac tcattcatct ggaaagttgg agatgggaaa taatttgatt ctggtgtttg 360
tggggataac aagtgtgttt 380

<210> 42316

<211> 444

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910040e07d1

<400> 42316

cacatctatt tcacaagtat gacagattct tgtaaataac tacactgggt tacgagatac 60
aaagtgcct catcaatgtc atcaaggatga caaatttgca agactaatta catgatcacc 120
aatcctgcag atatacatga ttgactttta tttcagacct acgtaccttg ttaatcaggg 180
aatttgctcc tcctggagaa taatggcaaa aatacaaatt acaagggttt tttagggaga 240
tcacaaagtg tccctaataa gatatgtata tatatatata tatatatatg gacgggtgtg 300
attccgataa tgactaacta gctggcagcc aaatgggatc ctcatcagac tcagaagatt 360
taaaaaacgg gaacgagaga aaacttattg gatatttgaa aaatcaagac agggaaagga 420
tgaaccattt ttcattaact cctc 444

<210> 42317

<211> 415

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910040e09d1

<400> 42317

agaagtagta catttttctt ggtttctaata ataaaaata gattaagcag tgtaaaaaata 60

gaataacaaa ataacatagt aaaagaaaga aaaaaagtaa acgccgatca ggccaatgca 120
gcagcagcag ctaaagccat tattattctc acattaccac ctacgaccga gaatatccat 180
aaacctacaa aacagttcaa aaaaagaaag aaagaaacaa ttccattcca aaaaaaaaaa 240
acaatctcag acctctcagt acttataatc cttaacatga agtgactcag aagccccctc 300
cccaagcgtg ggatccccct tataagttcc gagagtagcc tccgaattcg ccttgccact 360
tacaagcaac gcgctctgcg ccttggggat attctcgtcc tttccacccc acgcc 415

<210> 42318
<211> 503
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910040e10d1

<400> 42318

caaaataaat taatctcaat aatgaggtaa ggatacctgt tagtcacact ttaaacaac 60
atgtgattta gatttacaaa acaggatgct gctcatgtgg aacatgagag aatccgaatc 120
taataatcaa taacctgtaa gaaggaacct agagaacctt taaattacag tatagtaaac 180
cactacttac ttactatgta actatgaata gtaataatac aagtactttg tcaccttaag 240
atcactaaag aaagaaaagc ttttgggaaa actaaattca caagacctac ggactacggt 300
gtgggtgagt tcagaaaaga acccaaagag aaaactaagt ggttaatcgg tggagccctg 360
atctccatag ccataagggt ttttgctagc ccaattccat tgatcacggc acatctcatc 420
aatgccatat ttgaccttc atttaagctc tctttccgct ttctttgttg atgcataaac 480
aatttcagca tcaccaggtc tac 503

<210> 42319
<211> 514
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910040f09d1

<400> 42319

catataaaaa gcacacaaca cttgcgagtg ggatactttt acttcttaaa tggataaata 60
cattcgtggt ttcaaaaagt aaccagagct tcaattatta cagcttattt acaacacgct 120

taacaaatTTT acaaagaaaa tcttccagaa agcgtaatta gactgcttcg gcaaagccaa 180
 cttggagatt tccatagtcā aagacggtgt gatatgccct catgaaaaca tcgccaagaa 240
 tccacaatgg acccttttggT ggaggaacat caaaagcaat aaaccacta aggcagacat 300
 ttgtaatgcc ttctccagtt cttagaatat actgctctgg tgggaggaca aaaggcttat 360
 ttccaattgt gaacgtattg tttggcatct tggaaagact attacaggct atcactgact 420
 ctccagagga cttggtaggc tctcacacag ttgattacat agttgaatac tctgtccttc 480
 gatgcctttt gtttttaggtg attttggatc caag 514

<210> 42320
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910040f11d1
 <400> 42320

aaagggaaaac atgaccctt ttaaacaac tttaccggca taaaagtttt tccccctgcc 60
 aaccgacctt aattgtttta tgtacaaaag aacccccccc aaataatgat ccttcctttc 120
 cccactcaaa gcaggaaggg ttttatccca ttccaaaacc caaataaaga agacgggaaa 180
 ttctgtgaag cttttaatga aaaagcccaa cccccgactt gaaacaaaat atttaagcca 240
 atgaaaaaaaa aaagaacccc gtttgaaaaa attaaatccc tccccccacc cccaaatgtt 300
 gttgtggttg taatgttaaa tataaccgga accgtaacct ccttttttaa gttactctcc 360
 aatgggtttg ggcttg 376

<210> 42321
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910040f12d1
 <400> 42321

gtctgcaatc ataatcaaca aagagccgag tacatcagca agtatataat aatccaaaaa 60
 ctccatcccc tacacagaag agacaacaaa aaaaagctta atgctcctaa cagggttaaca 120
 acaccggttc ccgaaaccga tttattcata cttctcattt ctgcccgagc aagaagacac 180

taaatcgtag gtagacacca gcacataatg tctagacaag ctactttttt ttcagtacaa 240
 ccttaaaaag acttcttggc aacgaatata agcaggtcaa tgacacgtga gctgtatccc 300
 cactcgttgt cataccaaga gacaagcttc acaaagttct tattcaatgc aattccagcc 360
 tttgcatcaa aaatacttga tctgctatcg ccacaaaagt cgggtggagac cacatcatct 420
 tcagtgtaac caagaattcc cttcaacttg ccctctgatt ccttcttgat agcattttta 480

<210> 42322
 <211> 393
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910040g08a1

<400> 42322
 cctcggggaa ttccaattcc acattttcaa gaaataagga ggcaaaaatg ttcatatatg 60
 aattggaatt atttgttttc ttattaggcc tatcctgaag ccaaaggaaa tgagatcgga 120
 attcctcggg gaattccaat tccacatttt caagaaataa ggaggcaaaa atgttcatat 180
 atgaattgga attatttggt ttcttattag gcctatcctg aagccaaagg aaatgagatc 240
 ggaattcctc ggggaattcc aattccacat tttcaagaaa taaggaggca aaaatgttca 300
 tatatgaatt ggaattattt gttttcttat taggcctatc ctgaagccaa aggaaatgag 360
 atcgggaattc ctcgggggta ccgagctcga att 393

<210> 42323
 <211> 518
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910040g09d1

<400> 42323
 caacacaata ttcaatattt gaagttactt gaaaagttgg tcaaaagagt caaacattat 60
 gattttaaaa tcttacaatt tcaataacat cctgctcata aacaagtaaa ctacgtgctc 120
 catcaatgct tacaacattg tgacaacaaa ccaggaaaa aaaaacctcc gactgatgat 180
 tcggcgaatc cacggttatt gcaatccata tagctgttga gtagagaacc acaaccgaat 240
 atcttgcttc acaatgatcc tccaatcctt ggaacatcga ataatgtaag ttgatagcta 300

tttcaaataa ggataaaaaa atcactagaa ccacgctacc aatgtccagt ttcattttat 360
 taaataccat tttcaaattg aggaaatgaa acaatcaaga aaaataactt taaaaagcat 420
 aacatttaac ccttgaacct caaaataagc accacagcac accacgccat gccatggatc 480
 aactttgaat aaatcgaaaa aaagaatcaa attatccc 518

<210> 42324
 <211> 348
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910040g10d1

<400> 42324

gtaaaataat gttatttttag atgctgaaaa taaatattca tacatcttca catatggatt 60
 actaatttac tggttacatt ggattgcatg gtctcagaat aaataaatcc catttgattg 120
 agtggtgtgt agtctttttg ttttacaac ctcgtcaatt gattcaaaaa tgataatttt 180
 gaaccaatta aatgacattg acaacacttt tattttttaa tggaaaataa gattctttta 240
 tttgtaagag aagcaaaagt gcaaaactac tataaaaaaa attataaatt gtccttggtc 300
 tttcagagtt cgtccttgac atcatcggct tctttggttt tcaaaacg 348

<210> 42325
 <211> 342
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910040g11d1

<400> 42325

cctgctagaa ataaagcgta tatcatcaaa gtatggtaaa acatcaattc aggctaacac 60
 gaaactgaca aaaaaaacgg ctactccaac ttcaaaaata gtatccaaaa tttcggacct 120
 agaaaataaa cagtacatgt aaataaattt taaaaaaaag gcctccttaa acccaaaaaa 180
 aaatattttc tagttgtgca acgatgatcc ggaattttca atgaactttc actcataatt 240
 ttcattggtta tcagcagcag agttgaaaga tgccaccctg gcaataaatt aagccttctt 300
 ttctaataa gtaagcttct caaagtggac cctttggggc tc 342

<210> 42326

<211> 465
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910040h08d1

<400> 42326

gaacataaaa aacagcgcac atctatcgga aagtacagaa tcaaccataa aagaatgacc 60
 agaccagatg tctaaagcta ccaaagcaa tatttacatg cttacggaag tcgttacttg 120
 ctttcaatga cataaattac aaaaggaaca gaagaaaaaa atttcataat ttgttattca 180
 agttagaaat gtccttagga caactttgca gatgtatcaa aaccttgctt ctgcaattct 240
 gccctaagcc aacaccttca agaacaccct aaaattagaa gcttgctagc aattttgcta 300
 taaatagcag tcaaaatttg cacatgcttt gtgaatatat gcagttgagg tttgaagctg 360
 attcatgttg agcatccaga ctaaaccatt acaatacact actactccag aagtctgaat 420
 atttgacatc aaccaaattt tgactcagtt ccaaaatagc taact 465

<210> 42327
 <211> 431
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910040h09d1

<400> 42327

ctaaaatcaa ggaaattgaa agaaaactat tttgaattaa aatcggtgtt gagattcaaa 60
 gccctaataa tacaactgac atttggttcgc agaatacaaa tgaattggca tttggttcgc 120
 taactagaac gttaaaagaa agacaagagg gccagagata atagaggata gtttttcaca 180
 tatacagccc ttcaggcacc cctttttttt ttttaaacat cactttatcc ttggccttct 240
 taaagtcggc atgagtcacc ttcattcgac gttctcgtag agcaagtaaa ccagcttcag 300
 tacatattgc ctttatatca gtcctggaga attcgtcttt agtcataaca aattcttcca 360
 agttgacatc atcagctaata gtcacccctg acgtgtgtat ctggaagatg cgtctccttg 420
 ttttgatata a 431

<210> 42328
 <211> 427
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910040h11d1

<400> 42328

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aaacagacaa attagaatgt atcatttcaa tgaatatatc aacttaacca aacaaaactt   60
ggccgagaaa atgttgaagt catacaaaat ccgtataact gacagatatc aaggggaagt   120
tatatgatgg agcaggcaaa aagggaaaag gtgcaacaga ggcatacgat acgggaggac   180
gcgcttcagt ccgataggga cgctggcct tgatattttg atcgccgtta tcatcatcca   240
actctgaaga ctccgtagag gatgcagatt tcacaaaacc ctttgctttg tcttctaaga   300
attgttcggt ttcagaacga cgggtgaatca aaagcccaga cataaacaca gggaggtaaa   360
agaagactgg catggaacat tctcctttgg cttttttttg gtacggtttc tatagaatga   420
aatgct                                           427

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<210> 42329

<211> 438

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910040h12d1

<400> 42329

```

gaaatgaaga ttgttttttc atataaaaag cacacaacac ttgcaagtgg gatacttcta   60
cgtcttaaat ggataaatac attcgtgggt tcaaaaagta accagagcta caattataac   120
agcttattta caacacgctt aacaaattta caaagaaaat cctccagaaa gcgtaattag   180
actgcttcgg caaagccaac ttggagattt ccatagtcaa agacggtgtg atatgccctc   240
atgaaaacat cgccaagaat ccacaatgga ccctttggag gaggaacatc aaaagcaata   300
aaccactaa ggcagacttc tgtaatgctt tcttcagttc ttagaatata ctgctctggt   360
gtgaggacaa aaggtttatt tccaattgtg aacgtaatgt ttggcatttt ggaaagacta   420
ttacagctta tcaactgac                                           438

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<210> 42330

<211> 496

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910041001a1

<400> 42330

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gggaaaaata agtttaaagc aatatattgc tattgttttt aatacacaat agcatgcaag   60
gaaattctta caaaggcaag actaatcagc tattctatcg ctaataaaat tgaaattaaa  120
gaaacaaaaa tagcttccta gagccaaaat ttacaacttg cttctccact aaattcaaca  180
gaaaaataac cctagaaaaa cacttcacca tatatatattt aaacctattt tagaaatcct  240
ctggtggata tgcacatgga gtagattgct gtacatcttg aggcactcca ctccatcaaa  300
acgagtctag gtaattatag tgacgttttc tgttgaactc taacaagcta ccataggttc  360
ggtcagcaat acccacaaat agagcttctg tgtctgggct aaaggatatg ccagcaatct  420
caccaaatag gtcaatctct tgaccttggt cataacctga atgtgagtca aaaatatgga  480
cgaagtctgc aggttc                                                    496

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<210> 42331

<211> 575

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910041002a1

<400> 42331

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aaaaagaatc cttaagatta aataattagc ataaaaagga caatacaatc tccaatattc   60
agtaaggaac tcaaattacg ctggccatgg accaggtgga acagttgcag agtttttaac  120
attaatgcat ccaacgttct caaccagaaa gtaaaaaatg tacatcctct tgcccttttc  180
cccttattaa ataacacaac ttaaaaacag gggggcagtt tggccacaga cattgaccgt  240
agttcatctc acagtcggca acattaaaat ggaaggaagg aataacctga tacattttca  300
tatccaaaaa atggaaaatt ttgttgtttg gcattgcaa gagttcctaa attattaaat  360
ttagcaatta caaaaaaaaaa gggattaaaa tgagaacagg gctgtgtgtg attaagacgc  420
tgagattccc ttagcaattt tctcggcctt ggcaatgacc tctcaatac cgccaacat  480
gtaaaacgac tgctctggaa ggtcatcgta ttttccatcc aacacaccct gnaagctgca  540
acgttctcct tcaactcaac atattttctg gggca                                575

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<210> 42332
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910041002d1

<400> 42332

aaaacaaagg aactcgagac aaaacttttc tctaatacct tttagctaca tataaatata 60
 cgtatgattt agacaacact tctaattaaa aacaagaatg aaatacacgc actttgtaat 120
 tgattttaaag ttacagacag caccgagaaa catatatcta catcattatt gagcatctag 180
 ctgtagaaaa cccgaagtaa aattgtcaca caataatagc atcactagaa ttatgaacta 240
 agtactttgt tgatcagaga ctttggttaa actggaaccg tcctagcaga ccctgccatc 300
 tctatagcct cagcaccatc atctttattc tgcccactta actcttccag tgattttccc 360
 tttgattctg gtactaacia ggtgaatacc attccaaaga agttgatcac accaagcaca 420
 atgaggggag ttcttaaccc caataccagt tgggtaacca tgatcaacct tgttggggat 480
 cgtactttgt gcagcatata agaatccaa 509

<210> 42333
 <211> 504
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910041003a1

<400> 42333

aaagaagaat cattttcagt acatggcatt cagtatgcta agaaattatg acaattaggc 60
 gttattataa tgccaaataa tacaattgca gactaacaaa ctcatatgtt gtttagcaata 120
 catcaaaaat aaactgatgg tgaggtaggg gaatttataa gaaattatgt aaaacagaaa 180
 ataaaagatg aatcattatt gacattattt tgccatgtat acatgtaagt taatagaagc 240
 agactcaaag gctagaagag cccagctgg catcaacagc atcaatgatc tttgcatgta 300
 gtgtggctcc agaacaagca actatgccac gatcaaggcc ttctaaatat aagccttttg 360
 agaagtctag gggaagtcct ccagcatctg ttaccatccc accagcttct tgtatgatga 420
 taacgcctgc agcatgatcc catattttct ccttgtaacc ggcccttgca aacttcatga 480
 aaacctcagc atccccacga gcta 504

<210> 42334
 <211> 400
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910041004d1

<400> 42334

aacaaaaaaaa atcacatttc ttatgaaaca atactatttt ggtagtgaac aattgtgaag 60
 acaggaaaaa aatcaacaga atcttacaaa agattaatat gaggttctcc tcccaactaa 120
 aagagaaacc ccaaagtaat aaaaaaattt caccaacacc atgtgtaaaa gcatacaaca 180
 gttatgaaat actagtatat actataccaa tcctgtggct gtataaaatt tacaacaaaa 240
 caaaccaaaa aatgcaataa atcgaatgga accttatattg tccaataaat cctagtcccc 300
 cacttccaaa atttccaacc ttccatagct accaaaaagg gaaaaaaaaa attccttcag 360
 catagtagag actcacggaa catgtcatct ctaggtcctc 400

<210> 42335
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910041006d1

<400> 42335

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 aacaggtcct aaaccaccaa aatagaagca taatgatgat atcacttcac agtttgaata 120
 atggagaact atatcacaca ggagtaaaaa caaaaaggaa cgaacaatac tggttcaggg 180
 taatgtaacy aagcatatac cctttttact cgaaacaatt acattgataa taaaaccttc 240
 atttatgaat agtcctctcc ttctcatca tcttcgctc cttcagcccc aacctctca 300
 tagtccttct caagagcagc aagatcctca cgagcttcag agaactctcc ttcttcata 360
 ccctcaccaa cataccagtg aacaaaggcc ctcttggcat acatcagatc aaatttgtgg 420
 tcaatgcgag agaacacctc ancactgcag ttgttgtgct gatcatgcat a 471

<210> 42336

<211> 500
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910041007a1

 <400> 42336

 gagcattcaa aagtatccat tgcaccgaga tgagtcctat acgcttactt gacaatatatac 60
 aatacaaaac agtatcaaga gaatgatata aaactcaacg tgacaaaatg gcttttcgtta 120
 ctttgctacc tggggaacat ataaaagtaa aagaactata taaattaatc cagctgagga 180
 acccaaaaat tcagatctgg gccaaaacaa ataggaaaaa ctgagtataa aaaatctccc 240
 tcatttgcta ttacgctgct gtggcagagg tgggggctct taactcgatt ttctatcctt 300
 tctttccgca atacccaaac ttaacatact tttgaaccct ttattttctc caca~~aaa~~agaa 360
 aattcgacca gaaccttaaa gaattatggt ttaggtcttc cttattcttc aattcatgag 420
 gctccgagct tctctttggt aagaacaaag gaaagaaagg aaaagtactg aatgcaacag 480
 cacaacgcaa gacacacaca 500

<210> 42337
 <211> 432
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910041007d1

 <400> 42337

 agaaacgtgc atatgcccac cttagcatat gataaataag caaaatcatg tcaaaatata 60
 aacagttaat agaactgtgt tgctattatt ttctgctgca aatacagagt gttatttgag 120
 gatgccagga atatcaatca acattgatga tgaatgcaac aattatcata aaaaatcaaa 180
 atcacacatc taggacattt tattgcattt tttccctgtc atttaacatt gagactacaa 240
 gtctaatacca tccgttagca tgtattttta tacacccgag ccttgggagg gaatgattca 300
 acctcatcat ccaatacatt caaatgcacc ggctgtagt ccaaccggac ctttttgttc 360
 tcccagaaat ccacagtgtg tttcatccag ttcccatcat ctctaacttt gaagtcttca 420
 cgggcatgag ct 432

<210> 42338

0953113.032200

<211> 426
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910041009d1

<400> 42338

aaacgaaaat aatttcaatt tataaaacca acagtagtaa gacagactat caaaattgaa 60
cttttttttt gcacttctaa ggaattaatt tattagttcc ttgcatttgg gtggatggcc 120
gagatggcaa gagtgatgaa atctgctatt ttttcaggca tttttcctat gtttttagaaa 180
acaaagatca tagcatttca ctagaaaggc cgagatggta taaccaatga ctttctgctg 240
ctatttttca agcccttcag cttgagagga gtccacacta agggtttgcg tctttgatgc 300
ctagggctgc cggcaaactt actgctgctc ctcataaagt tggatgatgc gtctcgactg 360
aggttatagc ttctggcaat ggggcaaaca accttgaata ctgagtttcc ctttggttcc 420
tttccg 426

<210> 42339
<211> 406
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910041010d1

<400> 42339

acaaataaga taaaatcaac tcagcccgtc attaacaagg ccatggaaca atttcagtgt 60
tatacatatg cacattatct tctcgaatta agatcatcat cacaaattaa tgtccccac 120
aacttattca tgccagattt tagaacagca attcatatca cagctttgaa ggcgactgat 180
accagcccca cggttcatca gatatgtact tggtcacttg cttcacactt aaatagttct 240
cgagtcccca ttctcctagt tcacgaccaa aaccactacg tttaacgcct ccccatggag 300
cttgaatgaa gcttggttga gcacaattta tccatacaat tccagcctga atagcctttg 360
atatgcgctc gcattcttct agatcttttg acattacagc agaccc 406

<210> 42340
<211> 422
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910041011d1

<400> 42340

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aatcagaca aaaaccatag tccataaaag tataataatg taagaatgga aatatatatt   60
ttcacaacta tacagacatg ttacattatt tacaaactca ttatcaaaat aatgctacta  120
agaatccaaa aaatgcgtag caataatgct tctctgggtg gtcctaaaaa aataactaata  180
ttagttataa aatactgaat agcctataag atatgctcaa agtatgggtca aaagcaccaa  240
aagggccatc ataaacgcag aggtaggttt tatcttaa at gagagattat gtgacagctc  300
aagaacatta gactggtttg atgtttcttc aggattcaca gctatggcag gagaaatagc  360
aggggaaatt gatccggtaa tagctaaagt agagagttca tcaacataac agttagattc  420
cc

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422

<210> 42341

<211> 464

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910041012d1

<400> 42341

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ggaggaagaa tataaatgac attatgagcc caaccaaacc aatggtacaa tattttattc   60
taaggcaaga ttttatctac catcctaaca ttaacattcc caaccacaca acatgttaca  120
taacattgtc tcaaaagatt ggaccagctg cgagaatctc ttctgtcagg ttgttggtgc  180
ccttgccaat cttgtagttg gtgaagggtt caaaaatgtt cttgaacaat ccagccaact  240
tcaatagtgt ctcttgtag ccctttttgt ttgaccaa at gttcacaggg tctagaattt  300
ctgaagggac accctccact ttcgggtggg atctcaagcc caaaaatttt agtcttcttg  360
tactctgcat tcagcagact tctgagtga atagcatcaa tgatttttct tgtgtatttg  420
agattaatgc gacttcata gccatagctg cattttgaca tgtg

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464

<210> 42342

<211> 299

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910041015d1

<400> 42342

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aagctcaaat atactatcct cctaaaagga ttagatgttg aaatacaagt aattccaatg 120

aaagacaaac tctctcgagt gatagttcct tggatatcta gaaggagcat tattcaaaat 180

tgaagctaca cttctgtggg caaacatgg gaacctacta acaaggacag tagccaagaa 240

ggagcgatgg tctctaattt aggcattgagt gagccaatgc cttttcctca gaaagctct 299

<210> 42343

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910041016d1

<400> 42343

attaacacta ttagtTTTTT ggaaaaaaag aaaatcgggg aaaacaaatt taaaacccat 60

ccccagaaaa aagaaccggg ggggttttaa aaaaaccgtg gggggaacca caacaaacc 120

cctttgtgac ccggtatcgt aaaaaaaaaa aaattttgtc cccctaagac cccaaagggg 180

tgaaccatt tgggcccaaa aaaattcaat ggaggggggg ggacccccgg ggggatttta 240

ccccaaaacc gaattagaaa a 261

<210> 42344

<211> 398

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910041018d1

<400> 42344

cctcgaatga catgaaattt gaccattaga atgattgtat ttacataac ctgttttccc 60

accgcattgc agagatgaac agctcacaaa tacatacaat gtagaatgga attttatttg 120

gaatatcaat gcacaacaga aaaaggatcg tgtcactcca gcagggtaga caatcagaca 180

cagtggcgag acttgtttac tctgaattt gaacaggctc aaaaccctc tggatagaag 240

ccttcacagc atccaatacc agctgtgttt tgctagtaat tgttggccac ttcttgtcag 300

gcttagagtt tttgaatttg atttctgcga ccaaccgggc aaattctcta atcaaaagag 360

cctcctgagg gagatcagtg gttactgtat gcttactt

398

<210> 42345
 <211> 301
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910041020d1

<400> 42345

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 cttttttaaa ccacatttta ttattatta ttttttgggg gcccaaaaac cggaaccccg 120
 caacatgcag acagacagga ctaaaaaaaa aaactggata ccaacacctc ccccaaaaaa 180
 atttatgtct tttagtaaaa acatgccctc ttaaaacacc cttacgtaga aaaaaaaaaat 240
 gctatcaggg gagccacacc ccaaaaacct tccccccca gaaaaaagag gggggggggg 300
 g 301

<210> 42346
 <211> 562
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910041021d1

<400> 42346

aaaacgcaa tacaagagga gccatcatat taagactata tgatagaatt agcactcggc 60
 agttgcaact tattcagcac atcaaaattt tgataaagta actgatcaaa ttccactcaa 120
 gtgcccatag caaaggctgc aaacaaccaa cactagtgtt cggccatccg taagaaactg 180
 aacaaagaag aaatgactgg gagaaacttc aggatctaac caccttcac ctgtatgtgt 240
 tcatgtaatg actgttggag cggatcgacc agtgaattct tccatcttcg aaagtttcaa 300
 tgcaacttcc acaagaggag caagggttc atttgaaagt ctccaatct ttgatggatc 360
 cttctcatat tgctcaatgt atagtcgaat tgttgacact tctgatccag ttccagatag 420
 gcggaaaatc aatcgtgatc catcctcaaa caaatatcgg attccctgat gtgatgagat 480
 ggaaccatcc acaggatcat tgtactcaaa ttcatcaccc tgaacaacat tcgaaacatc 540
 tgaccttatc cccttaatat ct 562

<210> 42347
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910041022d1

<400> 42347

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 taatgtgact cgtctgtgga cgtagtttac agacttatta tatttaaata ggacattaag 120
 taacgttcct cagtggcaga acacagacga gtacaaacta caaaatgata atacaactta 180
 catactagca ttcaaccaag aaaacaaaac taaaaaaccc aaactaaca caaaactgca 240
 gttctgagaa atctgaaaat gattcgaagt gaaagccata attgatttta agttctaatt 300
 gctggaacgc aactctggac gaacaaagtc tgcactctgtt ggacacagaaa tgtctactgt 360
 gggctctcagt tcagcgcaaa ctttaatggc tccatgcact gggtatgaca ngaagttgct 420
 gaataaat 428

<210> 42348
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910041023d1

<400> 42348

atatcaaatt tctagtataa ttgttttcat tgctagtaaa cataaggcaa gttatatcat 60
 tcaaaatata gctacaatga cgaactttat tcttctcttc cacgcacaat tatatgacgt 120
 cccaggccct tcatgaaacg atgaagtgat ggtaaaaaga caaagacaac ttaggagaac 180
 aaacaagaca gaatctaaag gacccaatta ttatgcataa taaagaacca cttccttagt 240
 tcaaacttca aagctttgat gtttcctctg ggtgatgcac gacaatgtaa ttataagcat 300
 ccagagttag aaaatcatca agcattgggtg acgtgcattg gcgagtgaag atcttgcaag 360
 cctccttgta cattcccttc ttgaacttct ctgtccccac ttccttttca atcctagcca 420
 tctcttctta acaacçctac caaaagttct ttgttcactt tcac 464

<210> 42349
 <211> 500
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910041024d1

<400> 42349

ggaataaaca tttttgtaac atatactgag acatgataaa ccattccaca gtggcttagg 60
 cgagacataa tggttccata tacaataatg atgaggacaa taaaaatgac aaccaaattg 120
 cctcttgaga taattatagc cggtatgcac tggacaacac tgatatgcac aaccagttag 180
 aagccacaat aactacaaat aataaaaaaa gctatcatta catgattaca gcacacagca 240
 gcagctgcaa ctgtataggc ccgtatcaaa gtatattaac atggctgtga atcgaaagtg 300
 tgcagattcc tcaacatggc tgctaaaaac ttccctgaca tcgatcttct acacttcctc 360
 ttgactgagg gtgttacttt ttaagatggt atacttgagc agggggcatg tagcattaat 420
 atacagccat ttatccacac agacacagtg aaaatggtga ccacaaggaa gttctcttag 480
 ctcaacccca tcatcgtaag 500

<210> 42350
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910041025a1

<400> 42350

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 tttcttctca tgttccttta gcgccggcgc tgttcgtcat cggagattcc tccgttgatt 120
 gcggaaccaa caattttctg ggcaccttcg cgcgcgcccc gatcaccttc cttacggaaa 180
 agatttcgac acccaccac cgcgcggaag attctccaac ggaaggatcc ccgtcgatta 240
 tcttgctcag cgtcttgggc ttccctttgt gccaaagtat cttgtgcaga cggggttgtg 300
 ggggatatga taaaggggta aactacgctt ctgctggtgc tggcattatt ctctctagt 360
 gctctaattg ggacagcata tctccctcag gcaatcagca atntacagac acacttcagc 420
 agtttatatt caaaatggcg aggatgct 448

<210> 42351
 <211> 381
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910041025d1

<400> 42351

atgatacata tttttattca atcgctaata tcaaaatttg aaagaaagcg ttatttggca 60
 aaacctgaaa acagtgcata ggagaaaaaa caaaagttcc ctctaaact tatagcgagc 120
 acatgcaacg ggaaattgaa acattagggg aagaaaacga aatcatgctt gcacttttgc 180
 attttgccaa aagattctat gacccccctt tgatcagttg cagtgcagcc tactatttgg 240
 gaagggccgg aattgctccc ttttggaag aagtaatagc tccacatgca ttggcaaact 300
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 gcgataaagc accaacaag g 381

<210> 42352
 <211> 169
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910041026d1

<400> 42352

ggggctacaa aatcttggca aggccttatt tattgaagg aaactttttt tttagaaaaa 60
 aaccctggga aaggaaataa aaatggggcc attaattgcc tatggtacac gtgaaccaag 120
 cttggaggga gcataaactc ctaatgccac cacaaaaact ggtgtcccc 169

<210> 42353
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910041084a1

<400> 42353

aaaaaataaa aaaaaaaaaa aaaacaaaaa aaaaaaaaaa aaaatcaaaa ataaaaaaca 60
 tacaaaaaac aagggtcggc ccccatctgg tgtgttcgtc aaccgcagat ttatttcttg 120

cccgtccttt gatggcttcc cttctttcca tattcagagt cgtattaaac ctgggcgtaa 180
 taatcggttt agctgttgaa ctgtgtgaaa ctttaatccg tttacat 227

<210> 42354
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910043a12d1
 <400> 42354

atattcaact ctgtttttat ttaaattata aataaaatta catttcaaat catcattcat 60
 atgaatttac attatttaaat aaattttatt gttaaactca ataagcacac actcactctt 120
 taccatgcat acccaccgga aagagtgcac tcccatgttc gattcacaac ctgaagcggc 180
 tcaaggaaga ttttccatca agggcctttg catagtagta tgccacgaaa tcttttatgg 240
 tagtgtctct gtacattggc ggattttctt ctgaaattag ttccttaatt ggaccatata 300
 acttctgtaa accttcaact gggatcatccg aatgtccaaa gaaggcccca aagaagcttg 360
 ctacagaaat tcttgggcat gtcttctttg ataagaccg gtggcacaca cttgacaact 420
 tgtcatttgt gatgagctgg anaaagtctc ctacgtttac aacaagagc 469

<210> 42355
 <211> 549
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910043b08d1
 <400> 42355

gccgtaagtt cgaatctcct tgctaacaaa aactaaaagc taacattggc tgattaataaa 60
 aaataacaag ttccttaaac taaacaaacc aaattgcctc aaaagtcaaa gccccattat 120
 ttttttttct taccgaagta tggggatcaa cgagggatta acaagttcat cattcaacag 180
 aaacaaacat gacaggtaaa caggattgca agggaaaata aaccactttg tgccctcatt 240
 taaggagagt cttcacaatt gatttgacat tgagcttctt gaggtcagta taagactgtc 300
 cacagcccac aaacatgaca ggagctccag atatgtaaac cattgaaagt gcagctccca 360
 ccttatcatc tatgggtgtca aatttcgtga gcaagatccc atcaatcaat cttggattaa 420

gtgatgttgc aaggtcagct aattttctgat tgaactttga aagctgatca acagcgatcat 480
 taccaaccag tgctttctcca acaaattaga ctagatctgg attgtaagggt agatgagttt 540
 tgacagtgc 549

<210> 42356
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910043b11d1
 <400> 42356

ggaccaaca ctgaaggga ttattttata tatacctatt tggggccaaa atgttgctcg 60
 aaaagacaat tttttatggg tggcctaaat gggggggctt gcctttttctt ttttaacagtt 120
 ttgaatttaa acccagcttt tggaaaaaga ctttttaaca cactaatttg gtttttttaa 180
 ccaccttcca tctgatctca acatgcatta ctccattcct tgaatttatt agagggtact 240
 tatagttaat gccaccattg ggcaccacat ctcttaggat aatttccaca tgccccaatg 300
 atttctttgg caaaaaaata aagtttttcc tcttgetcat aacctcaata agtatcttct 360
 catgtagagg aggctcctct agcatgaatt ggaattt 397

<210> 42357
 <211> 348
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910043d12d1
 <400> 42357

aaaaacatta caacaccgta aagactggga cacttcgaat cagggggcat atcagggtta 60
 tacatgacca gcgttctcgc gcacgaatat gccacaatc aattttaaata gaaaacggga 120
 ccaccttaaa ggatccccc acaagcttaa aacccaaccg aaaaacggat gacaaaagta 180
 atggcttata cattttgaca caatgtcaaa tacatgggaa ctaactactt ggcagacact 240
 ggcaacaaaa aaaaaaagca tcactaccgt ggggatcact cttccctgca aactggaggc 300
 ccctacaaag aactaaacc ttcaagaatt ggcgataggg gaatgtat 348

<210> 42358
 <211> 417
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910043e12d1

<400> 42358

gggaaaaagg ggggtaaact ttactataa aagtaaccgt aacattttct gtcttaaaaa 60
 aatggaacat aacgtagatt tttccattcc ttaacaacgc tgtttccttt catttctctc 120
 ccaaacaatt catttaccca caagatagga tatgactatg atctataaat aattgggaat 180
 tcactcctgg ggtgaaaaaa atgaatcaac tcgcctaata ggcactctgat ttttccatgc 240
 cgttcaccaa aagtttcagc actttctctc taaagaaact ctattatttt ctattccttc 300
 gcatctgggt caaaggacac aggtagggaa ctataatctt gtgttttggg gagggaaaag 360
 ctacgacgct ctttcccccc tggcttagaa gaagcattgc cataccaaac cattcct 417

<210> 42359
 <211> 329
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910043f10d1

<400> 42359

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 tctttagtgc gacactacgt attacatggc tgaaacaagt tttgaacaag tggcgatcca 120
 ggatttcact acgcatagt acccagcggc atgccacatc cctacatttt atatttaa 180
 tcgtacaatt aatgcaattc cttcttcgac ttggctatgt gtacaaagga acatcagaag 240
 ggcacgcttc tggactcttc taaatgggtat gtccaattaa gactctattg ctctgaagg 300
 tttgatggta ttttttcata aacataatt 329

<210> 42360
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910043f12d1

<400> 42360

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 aagggcattg ccataaaaac tttctacaaa caaaaaagtc caaacctttt tgggcggcct 120
 ccatataaaa aacccccctt attagattta agccccctt agttttccaa aggccatttt 180
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 tgggctaccg ggaacttgcg ggccccaatt gcagttt 277

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 aaaagaattt gaaaaaaggg tggtaaattg tttgactggg tctgcagtg cgtttttgat 180
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 tgggactaat tttgctacaa atagaatagt taagaggga catccagcat acaaaaacaa 300
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 tagccaagcc accaaaacca ccaagcttcc agcagtcctc ttcaaagtga tgggaaatat 420
 ctgagacatt atcacccatg gaactgatcc gagcccaatt gaaaatgctg ctatgtagat 480
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 acgtcatatt ttggttttga cccatgtttt tcataaaaac cctgttggtt ttcgagaaaa 180
 aaattttata aaaacaactt ttaagagacc taatcaaac tgggtgagag atccttatgg 240
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 aaggatttgt taaaaccaca aacattcttc atatttacat ttcaaagtaa accaaacagg 180
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 gcttcaccag cattttaata aatgctcaaa ccaagcttaa gcacctctgtg aatcctgtta 360
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<210> 42366
 <211> 363
 <212> DNA
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363

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 ggatggaaat ccaaggaatt tgataatgaa tctccatatt ctatcatgtt tggtcctgac 480
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<210> 42368
 <211> 85
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910044f03a1

<400> 42368

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 aaaaaaaaaa aaaaaaaaaa aaaag 85

<210> 42369
 <211> 494
 <212> DNA
 <213> Glycine max

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 gactctttta atccaaaagc tgatcacaaat caaaatcaat ggcgttattt atgaaagctc 240
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 catctcgagg taacgtttgc tctcacggcg ttcaagattg gtcacgtgct tccagaagcc 420
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<210> 42372
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910046a06a1
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 <223> Clone ID: jC-gmro02910046a06d1
 <400> 42373

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 aacataggag attgaaatca attcagacct aaacttgtca tcccaatcac cgtttggtct 300
 tgcaaagctg tctgcgtcct tgctttcggg cacaaaatcg gaatccagag ttttatctgg 360
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<210> 42374
 <211> 503
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910046a07d1
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 gaagtttaat taaatggaac aactcgaagt tggaagacat gaaaagcagt acaccagatg 240
 ctggcagctg gaatttttca caaagaccat taatttaggc taacaaaata ctactacatt 300
 acagtaatta ttttcacaaa aaaatattac aatcagatta gcaactgtat ttttcattgg 360
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 tcaaaaagga agccagaaac ctc 503

<210> 42375
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910046a09d1

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 <213> Glycine max
 <223> unsure at all n locations
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 <211> 496
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<211> 495
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910046b09d1

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 aatcaacttt acctgagtca cctccttaa tggttttagc aagcattttt ttagccatgc 300
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<210> 42384
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 <213> Glycine max
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<210> 42388
 <211> 326
 <212> DNA
 <213> Glycine max
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<223> Clone ID: jC-gmro02910046c07d1

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 gttcatatcg tcccttgcaa tacagatgga atgatattgt cagaattggg agagtaatga 480
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<210> 42391
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 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910046c08d1

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 aatcttatat ttgaagttct taagaaagaa gtccttcta catatttgac gacgagcaag 120
 ttaccttcgc ccgtgatttt ctaaataatt tttgattttg tctttaatta ttactatgca 180
 gatttatttc ctaagaactt ctcaaatcat aaatcctttg gaagaaatga gatgcaccga 240
 ggatgaaagc acacacagca ttgctaaat ggatagcgat ttccaaatga taaaacagca 300
 aaggctactt ataaaccgta accagcaaga atatcttagc ttcatttagc cttcagaaca 360
 tcatagtacg acgcgggttt tttctccac tcaccacaga gtttctccac ttcagcggct 420

acacgcagta cagtagcttc cgcccatggt cgaccatta ttgcaaacc tattggaagt 480
cctactttat tgtaaccaac cgggacagaa atggcaggga atcccaaaag atttgcag 538

<210> 42392
<211> 314
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910046c09d1

<400> 42392

gttgggggag aaccttgcaa aaacatgaat ttcaactttc cagagatcaa atgggtgtca 60
taaccatata atggggctct taaaaattgt tggctctgaa gggttaagtt taatcaaaac 120
ccgaactttt aatttttaaac cattccctgg ttccaatcca acatcacgaa ggggtgaacc 180
accactttct cgcgcaattc acttggtggt ttttttaggc ctcaactggt tactatgacc 240
gcactttttt ttgtcggggt ttacaaccct atgatgcaa cgggcattga acttggggga 300
aaacaatttg gccc 314

<210> 42393
<211> 446
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910046c10a1

<400> 42393

agtaaaattg tatactctct ataatttgag attattacat atttctagca taaatcttga 60
gagaacattt tttttgcttc atcatataaa atatatatgt tctgacagag cacgtacaag 120
ttcacaaaaa aaagggggaa gttgataaaa aaatacagga aaaaaaatc agaattgagt 180
cagagggaag gaaacataga gaaaatttta gcgatcagat cataagaagc cagcaggagt 240
gcaaaagtcc cttgccaaga gtgttggaac cccttttagt taagcaggta cttgtcccc 300
cttgagtggc ttaccactt accatgtgaa gtcagggtca tctctgcaa agtgtccata 360
tgcagcaatc ttcaagaacc tgccctttcc acccctcttg agatcaaggt tgagggcgaa 420
catgcgcggc ctgaagtcta aactct 446

<210> 42394
 <211> 428
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910046c11a1

<400> 42394

gggaaaaaga ctggccggtc ttaacatatg gtctttcatt aatataaaat gaatcaaact 60
 tgggtccattg ccaaactttt actatTTTTT atgaattaca tttactagaa tggcactatg 120
 tgggtttattc aaaagaagaa agcatgtcca cccaaatatt acaaatgagt ggatattaaa 180
 accaaaactc tgcctgtgtt tottatacag aaagattggt ttcagaatga acttgattga 240
 aattgcaaga gctcccgtc agctaaaact tttggaactg ttgactttaa tttcaaataca 300
 cttttctggg cgagatcaat gagaaccacc tgcgcagaga ctccatatat taatctatgt 360
 cctgcaacct tgaatattct gtccaacatc catattgctt tttcttgaac ctttggattc 420
 tcaacttg 428

<210> 42395
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910046c12a1

<400> 42395

cagtgaatta acttgctact gttgtatttg aaaagagtta acttgtagtt caacggatga 60
 aggattataa ttatgcatac caagggtaca agcgtagttt gatataatcc agctaactca 120
 tactcagaat gaaccagtta aaaacttatc aaagtataag aaaagaactg gaccatttta 180
 aaaaacaact ctctcacct tctgcaaata aatgatcact ccaacaagag aataaaatga 240
 aaggataaca aaagctagaa tcaaaggggt acaatctgca atgcattgct tccagacaaa 300
 tcgtgatgat agtagtcttt cccttcaata accctatcta tcgaaacagt ttagaagcac 360
 tttctgtgca caattgatgg accagattcg ncatattctg cctttgcaat ccacatctgc 420
 tggaagggtgc taagagatgc caagatagaa ccaccgatcc agacactgta ttt 473

<210> 42396

002250 ETTE50

<211> 494
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910046c12d1

<400> 42396

agcaaaatca taacctgcat taaggcattt agtatatata atatatcact atataccaac 60
taatcagtat acaattacaa gcaagttatt ctggagcagg gatacaaaact aacgtgacaa 120
cagtcgacca aactagtctt ggaattcaaa gatgaaaata ataaaccaag ccaacaaaca 180
ttttaaaatg gacagtaact ctagaagaca tttcctaaat ggtgaccccc acgcattaat 240
ttttatactt catatatgca tccctcgggt cttgcttga tatggggttg acaagggtag 300
ctttgcccac agctatgtgc aggtacgaaa ctaaaaaacg cttgaaaatc ataaaccaca 360
ttttgattaa acttgtggag nncggnggg gagagggaat tggtagtagc agcaggctca 420
attctacgca gcatgaacct tactcccctg gttgaaccat cttcatcatc atgggatgca 480
taagcaaacc cacc 494

<210> 42397
<211> 465
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910046d01d1

<400> 42397

cacgaaccaa acagaattta taaaaagacc agaacaaaca acagtttttc aaaggccact 60
attgaccatg gaaacacttt aacaagagta aacctttcag gaacattaaa aaaaaaac 120
caaagatctt cggaacttcc acatgcttaa acttcaagac acctacagaa cattttcaga 180
cttttaaaac ccaccacgaa gacgcaacac agggggaaga gtagactctt tctgaatgtt 240
gtagtcagaa agagtctttc catcctccaa ttggttccca gcaaatatca acctctgctg 300
gtctgggggg ataccctact tgtcctggat ttttgctttg acattatcga atgtgtctga 360
cctttcaact tccaaggtaa tagtcttgcc tgtcaaagtc ttcacaaaga tttggatacc 420
tccccttaaa cgaaggacaa ggcgaagggc ggactccttt tggat 465

<210> 42398
 <211> 495
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910046d05d1

<400> 42398

gcatatattg acgattgatc tggttagtta tagattgcat tgataactag gaaatatttt 60
 ccacataaca aactttggag aacaagattg gtagaattgt gaattgtgtg tggatatcatc 120
 atcttgctaa gaatgatctc tacattcgat atgacaatca ttcattgcaaa tcaacgttgg 180
 agtaggtttg cattgattat tgcaatctgc ctggcctcaa atcacaatca tgctgatttt 240
 tgctgaatct ttagtatctc aatacaatgt agccagctgc ttctcatatt cttaatcaag 300
 gcagctgcta cctaagaggt gtatccactt taagacacac taatcatcgg tgccgaagta 360
 tcgatcacca aattccccca atccagggat aacacgatac tcttcattta tttcaatgtc 420
 aatctcagat gtgacaatct tcaatgatgg aaaccttttg cacacgcaat ggattccctc 480
 aggagcagaa atgag 495

<210> 42399
 <211> 418
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910046d06d1

<400> 42399

aaaaaagaag agcctttttt ttcctttttt taagattaac caaaataaaa tcccataatt 60
 ttttgggaaa aaaaattcct tgccaaaatg atttttttaa acaacaaaca aaagggcccc 120
 ccgcttttga gggctttggc ccattgggga gaacacccta attaaaaccc cccaaataag 180
 ggggaaaaaa ccccttgccc cccctacttt tttttaaaac ccctttotta aacctatcca 240
 actgtttaac ccattttttg ggaaaaaagg gctcttttgg gggggggggc ccccaaacc 300
 ggggaattggg tttccccgtg aaaaacaaga aaaatttgaa cccggccccc aatttggttg 360
 caacattgcc aaaactaatt ttttttttgg ggggaaaaaa gggaaccttt ttgcccc 418

<210> 42400
 <211> 535

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910046d08d1

<400> 42400

aaaccaaatt tggaatctaa tatatgagga aactaatggg atcgttggta tagtgaagtt 60
 cacaaacaat caacaaaaga aaaagaaaag atgatttact aagactgggt aagcaaagaa 120
 attgtcaacc atccacgtta aacaggaacc ggaaaaccct tcttagccat gctatccaaa 180
 acatcgttga gggcttgaca taggcccaca atctgctggt cccatcgctg caactcttca 240
 gtgtcatcat caaaatgtat gacagcctca acctgatcga tagagcccct catcctatcc 300
 tcataaatga ttcttgatgc tatcttctca gccttgtag gtgggatccc caacagtgtg 360
 cctagctcat taaagctgat attagtatag agtttgctag cactcaaaag attatgctca 420
 atcatagcac ggtccagcac agtgaaattg tctggaagaa gagcttgctg atgtggtttc 480
 aattcttctg caaaagcatc aatttctggt tttctgagaa ttctctccaa tacac 535

<210> 42401
 <211> 372
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910046d10d1

<400> 42401

catgggaaat gataggcaat agggaaaaag atattaagct aataacatgc tacgagaaaa 60
 gataaacgac aaagcaggag acaacgagtt gttggctcat tcatttggaag agataaccat 120
 caaacaagag acaacgagtt gttggctcat gcatagccta agatcacagt agatgggtct 180
 gctatttttag ctatataagt ctgcatctat gtaattttta ccagctttgg agatgagata 240
 atacagtttc atttatgata taatagactt ttattaaagc taggatcttg gctcagcttc 300
 acattctaga caaggtcaag tccattgcgt ttgctacaaa gtctgcattt tttttggaga 360
 aacacaacgg gg 372

<210> 42402
 <211> 417
 <212> DNA
 <213> Glycine max

002250-ETFE560

<223> Clone ID: jC-gmro02910046d11a1

<400> 42402

gcagtacaag ctccgtactt tcattacgag cgcaaatgaa ttaccataca ataatacaat 60
cagaaaccct tttcacaaaa ctaggggtcat ctaaacagaa gggaacctaa tcaaccccaa 120
aaagacaacc atgtagcttc aggaaacacc aacgaatcga aacaagggaa agcaaactcc 180
caaacctagc tatattcata catctaaagg gtcagtctat agatcgctag cttctttctaa 240
cttcaataaa cacggatcca attccaacta tcttaaccac actgtgcaaa ccatcaaaaa 300
cactatctat acaacaacca attacattgg attattacca acttcccaag tagcaatgaa 360
atcacttgtc taagaacttg aagtagatgc tgcctcttgt cttgattccc tcaaata 417

<210> 42403

<211> 460

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910046d11d1

<400> 42403

gatcgagcaa tacatcattt cattatatag cgtaacaagt tcacttggtgc acattcaagc 60
tggctgaaag gagagcatat tacatatatg ttatctcaac aaacaagaaa atcaatacaa 120
acttgattaa gataccatat atatagtact agatataaat acacatattt cccagaagat 180
cgacaaccta ataatagata catcatacat gcatcaaact agttgaagaa gcaggggctt 240
caatttcata cttaattccc acccaaatta aagcacttaa tcttccatga ttgccaaatt 300
aattaagtag cccatggtgt ccttcaaaaa ccttggtcata gtaatttttc ttttcttatt 360
tttgaaagaa gaagaaaaaa aaaaaaagga ctaaaagctc tcacagccta tcttattctt 420
cagagcaact ggttacagtt agccggggga tgaaaatact 460

<210> 42404

<211> 496

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910046d12d1

<400> 42404

002260" ETTES60

atcatcaacc agtacaagcc tcaactttta ttcatacacc ttttcatata tcttacagca 60
agtcttttat gacccatata tgtagaacac caaagcactt aagctaaacc aacaacttaa 120
caataggact tagagattag agatttatca tacaacaca ttttcaacat tacaaccga 180
aaccacacat catctagaca cttccagtca aactaaataa ctaatcaaaa ccctttccaa 240
gatcatacaa gaagttaagg cttccagga gattttggat catgggctgg atttggctct 300
gttccggggt agtccacaat atccatcaac attctgctct ctacaatccc ttctttcatt 360
tcttcctcgc tattccttaa cgcataact ggatcctct tagccagaag atcttgact 420
aaaggatcaa ttttcccaat catggagctt ctgatggcag gaacagcagc aacaaataca 480
acgcaggaaa gagtct 496

<210> 42405
<211> 524
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910046e05d1

<400> 42405

actacatcat tggatcattt atatgaacat taacattaac atatatacata tatacatatc 60
acatagattc aaccattgcc gtccgaaaaa ccctattgat ctatacacat ccatgcatat 120
caattccaaa caagggttg aatctaagtc catgacaccc gaatttgaaa caaaaaaacc 180
ggaagacaca acccatttta actttaaaaa aagaagaaga aagaaaaaga aatagagaag 240
aaataatgat atcggttaac acttaacagt taacagtgtt gtgcagtgtt ttcacagtct 300
ttggttctgt tctcagcaat ctgagccagc gactgcaagt tacaacgtac gatcgtgtcg 360
acgaacacgc atgtttctct cttagtgtta ccctgtgggtg cgtcaacgac gtatgactcg 420
atgacaagtg tcccgttccc gttggcgtgg agcgtcgtca ccgaccggtg gttcctgaag 480
cggtggtcgc cgccgacgac gcttgaactg atgacatggc gctc 524

<210> 42406
<211> 495
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910046e06d1

<400> 42406

agataaactc ataaacaaaa ttgaaataa acgatcagtc ttccctgaaa caaaagtttg 60

gccaaacttaa ggagaaaaaa aactcactac ccgagaatcc ataatatcaa aacagaaaca 120

ctacaaagtt tataagtgat ggcaaccaa tagaattcca gcatttccat ccaattaaca 180

taattatgct ttgaggcgtc caaagaactt ctgcttctcc tgtgtggtct ggaagcgacc 240

atgcccacac tttgaagagg tatcgataaa cttgagtttg atctcctcaa gagcaacacg 300

agaagtctgc ttaaggaggg attgacgcaa tgtaatgacc ctcttcttgg gaccaacaca 360

gcattcccttg accatgataa aatcatcctt aacaacacca tagtgaggga aaccacccat 420

tggggtaatg tctttctcgg ccctatcaaa ctcaagtaaga gcagagtgg attcatctcc 480

agctttgccca agctt 495

<210> 42407

<211> 515

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910046e07d1

<400> 42407

gggagcaaaa gttgaataag aatttatgaa gagtaatcct ggcaatctgc atcatgccta 60

ttgatcataa aaattctgca ggactcaaag ataatatata tgcacttaata ataacaaaag 120

gataaccatt taaagatata tctataaata aagggttcaa gtgttcacta caaaaagaga 180

ggcttagaaa caaatatctc tacataaact aaagaccgtg atctttatgg atcatatact 240

atctagagat atatgtgtaa cttccatctc taatcacgag caaatgattt gatttgagct 300

tcaataatth ttgatagttt gttcaaccat gtctttcaaa tccttgaaac tctggctcca 360

atttattggc catggcctgc tgaatattct gcttatgctt gtggggaaca acatgtgtgt 420

gatataagat gacattccgc tttatatcaa agtccctaata gaaatgaaac ctcatcgcat 480

aagatacttg tggatcttga aaaggaggtc tctga 515

<210> 42408

<211> 434

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910046e09d1

<400> 42408

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 cacaaaatga taaggaaatg aacttaaattg ataacgtctg gatcatcagc cactgcagcc 120
 aatgatcatc ggacaccgtg tcaacaggag agattacacc catgcaggcc aaccatacac 180
 agaggaagat tccggagaga ctcaataata cacgtttttc ctctccatta tcccatgggtt 240
 gcactattgt tatcagtgtt gggaagctgc tcgtgggtgg ggtttatgat aacaagctct 300
 taggtaagcc caaaattctc atctactatg ggaggggagg cccagtagat ccattgggtt 360
 gcacaagtcc agctcacgtc aggagggcct agtgtcacag cacggttcat ggttggttccg 420
 gagaaggccc cacc 434

<210> 42409

<211> 537

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910046e10d1

<400> 42409

gaatcatcac gcgaagatta taattgttga aactgaaact gaatcttaat tctgagataa 60
 cattcaaaat caaaccgata catgaaggat cagctataac atattaattt atagctgtgc 120
 tgggtgcagga cacttagtag tgtgccatga aattattcta acagaaaaca acaacctaat 180
 gacttatagc tggaattagc tacaactaca aacattgagc ttaacctaac cgtttttagg 240
 tgctgcatag ctttcaaacy gtgggtctaa cactagtttc ttttcagaaa gttcttgtag 300
 cattgagcag aaagcttagg gtaccttttt aagccatctt tgtaatctac aaagtttaat 360
 ccaaaccgaa cagtgaacct tgcaaacat tcattacagt ccaaaaatga ccatgcaaaa 420
 aatcccttaa cgtttgcgcc agccttaatt gctgatcgaa gataaaagaa atgacgataa 480
 taataatcaa ttcgataaat atccatgaga gcttttttca cggaaagggt tggatca 537

<210> 42410

<211> 495

<212> DNA

<213> Glycine max

0022260"ETTES60

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910046e11a1

<400> 42410

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tcgcaaacia caggtcctaa accaccaaat agaagcataa tgttgatcac ttcacagttt 120
gaataatgga gaactatatc acacagcagg agcaaaaaa aaaaagaacg aacaataatg 180
gttcagggtg atgtaacgaa gcatataccc ttttaactcg gaaacaatta cattgataac 240
aaaaaaaaagc cttegattat caatagtcct ctccttcttc atcatcttcc gctccttcag 300
ctccaacctc ctcatagtcc ttctcaagag cagcaaggte ctcacgagcc tcagaaaact 360
ccccttcttc catacctca ccaacatacc agtgaacaaa agccctcttg gcatacatca 420
gatcaaactt gtgggtcaatg cgagagaaca cctcagcact gcggtgttgn tgctgatcat 480
gcatacagca cgctg 495

<210> 42411
<211> 509
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910046f05d1

<400> 42411

aataagaata tatcaactac gtttcaatca gagggcacca tgttaacaat aatgaaaaca 60
agcagaaaaa taaaatccct aaacactacg aaatccagcc acgaagacag acacagagtg 120
cccgaaaaca atccaaaatc ccgaaaaaga tattcaggte aagggatgaa aaaaacacaa 180
cattaacaga gtatcacaac aaaacacaaa caagaacacc ctgcaaata ctactattgt 240
tttaaacctc atcttcctga ggggtcttct catcttcata ctcatagccc tcatcatcag 300
cagttgcac tttgtattgc tgggtactcg acacaaggte attcatgttg ctctcagctt 360
cagaaaactc catttcatcc ataccttctc cagtgtacca atgcaagaag gcctttctgc 420
ggaacatagc tgtgaattgc tcaactaccc tcttgaacat ttcttgaata gaggtagagt 480
tgccaatgaa agttgatgcc attttcaac 509

<210> 42412

<211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910046f07d1

<400> 42412

ggataccatc cataaggcct tcctggatta ccataaatgg tgggtgcatt atcggctagt 60
 cgttgagcgg gttgatgata aacatccttg tacagctaca aagggggatt ttaaggggaa 120
 ttaaaacaca ggctgacacc acgctatttc accttgctat aaaacacaat tgttttcaaa 180
 tcttgggatt gtatttggct gaacagtata ctactcattt ccggatttac agagttgacc 240
 cggatactct ttagtgccat 260

<210> 42413
 <211> 415
 <212> DNA
 <213> Glycine max.

<223> Clone ID: jC-gmro02910046f09a1

<400> 42413

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 aatgccgccg agtcatctac cataatacac cactgcgctg ccgttacgat attcacaggc 120
 cgaagaattc gtgcaatgag acaagcggcg gatacgtaat aatgaataag aaacctacaa 180
 tgctccatcc acctctgaat tacaacgaag aaaagagaat aagctatgat tgcgccctgg 240
 cacgtgaaac agacgatacc tttagtacta gcacagcatg cgtatggata caacacatgg 300
 ggccccagaa aggcgatgatg aagaggcaac acctggctga tagttaagca ctaccaaca 360
 tgagaaatta ctttgtgggc tatagaggcc acgctggcat gataagcgta caagc 415

<210> 42414
 <211> 533
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910046f09d1

<400> 42414

gaaacatgtc aaattaaatt ccaacacaaa attaataat aaaaaaatga tgcactgcag 60

0953113.032200

gtttcaactg ctccatccca cagaaatatac tgggcaaaaa aagaaaagaa aaactccatt 120
ttttaatctg aatcctgggtg gcagatattg aaacatcctt tagtatctgt cgtaggagag 180
ctacaatcac attttcttct tcaattgcaa gccaaacaca atttgaaaca ttgattgcac 240
cttctctttc agaagaagat acagaaatag agggaaagaa tattaggatt gaaaggaggg 300
gaagaggaaa aaaaaagaga tgctgcccac ccagtaacaa aataagggtc cctgccaatc 360
caggaatttc aaaacagcca cttctggatc ctttttctaa aagctctctg aagggcactt 420
gtagtgtgag agttaatagt gtatatgtat gctccaaccc actgtgggtg gtaagatggg 480
aaaagaataa gccttctcca cagcaatatg atgtgaccat gcaaatacac att 533

<210> 42415
<211> 490
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910046f11a1

<400> 42415

accaaataaa cagtgaatgt taactcctga tgacctgcaa tgcaaggggtg ggtatccaaa 60
ctgtacaaga agcacagttg ggaataaata gccgtttttt tattttttgtg aacaaggaga 120
tgctagatac tttcttagtc aacttgacaa gagattataa aacaatcagc ataaacacta 180
agcacaataa acaatcagaa tgttttcact gtctgaggaa atttacagca gcccaaattg 240
ggaagatcat gataatgcct tcaacttgtc tgaacattcg tcatgatctg ctgggtgcttt 300
gaagttcttc actgatttac ccaagacatt taaaacagca acacgctgta attcttttagc 360
ttcctctaata gaaagctgaa ttgatctctt ctctaactca acagcatgct tgctaagttc 420
aactgaggac agggagcgaa gcatttggtat atattcttct tgatctgatt gggccaattc 480
ctcaaaaaca 490

<210> 42416
<211> 451
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910046f12a1

<400> 42416

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 tattgctagc ggaggataat agataaagac tagtttaaaa tgctagaagc caagaggctc 120
 ttgacatgaa acggcgaaca gagatgaaac ttgaaggaac acacatgtga agttgaagct 180
 caagggtatg tttcagaggc tgggacaggg gcataggaac caactgagac gtctccataa 240
 atcaagccag tcaaacctcc tccaatcaat gggcgcaacc caggatatcc agttagcagc 300
 caagactaca ctgaccacag ctgggccgaa tgagcgagct gggttcattg aaccgccgct 360
 gaatgggcct gctgctaaca tgttgtagcc cacaacgaac ccaatagcaa tgggtgcaaa 420
 gataccaat gaccccttct ttgggtctac t 451

<210> 42417
 <211> 539
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910046f12d1
 <400> 42417

ctcaatctca cgctgggtgag atacagactt tgccacatgt atcacctgcg agactcgagc 60
 atgtgcccta ttcttctcag cctccagcaa cccaagtgtt tttgtttcag cagcagctcg 120
 tttttggtga attgcagcac gtacacactc tttatattta ctttctcgag ccattccttct 180
 catcaatgtc tgagatgacc tttctctatg agaagccctt ctttgctga gagccttgag 240
 aataagcatc ctattagcct ctgcctgctg aaccctgat tcaacttttg ttccaagcct 300
 cacacgttca ttctcatagc gcatttctac tccactttta gctgcttgac gcaattcatc 360
 cagtcttgct aaacgcattt gggccttagt caagatgctc aacctcttct gttcagcagc 420
 ctgcagtttt gcttccagtc tctgaccaag atcttctctc tgagatgaac accttgaggg 480
 gcttcttggc tttgcacgtg ccttgcttga gagtttctca tagtatttct gtctgcgaa 539

<210> 42418
 <211> 522
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910046g06d1
 <400> 42418

accatgcact tttaatcaac ttatgttaat gggaccaaag gtacatcaag ccaacatcat 60
 caagtatgac atgatcgacc agcccatttt acacgataat aatctatttt aatgtggcaa 120
 cctggctaac ttgccctggt gaaagggaag aagagtgaaa gaagagacaa atagctgaaa 180
 tgtcatccac ggcaatgccc cgtctcttgc gtttccatgc atgcaccgca cactccacca 240
 aacgttttagc tgccttagct ttatctgctg ctgaagatac aatatccact gcttctttat 300
 tagagattac atcccaaacc ccatcagtgg ctagcacaac aaactgggtct ctactagtta 360
 tatttctgtg tgttacctca ggcacagaaa taagaccatg ccctttgatg cagtagtcac 420
 caaaggccct agacatgggt agtcccggag actttttatt cggttaaccac accctatgca 480
 cccctggctc gttctttaag cagaacacac gccctggca ct 522

<210> 42419
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910046g09d1
 <400> 42419

atccgtataa taattcaatt gaaaaataga ctcatgtcgt ttcgtagtcc tattagagga 60
 atggtatatg gcgttcacaa aacaacagac accacagttt tttagggggg gaaaatgaaa 120
 atggggcatg cacttactac ataacaaagt gtacctatga caaaatatta ctaccgttat 180
 ttaatcctaa atgctcctgt atatttatcc ttcaatagaa aaacctgcat ttgttatcag 240
 aaccggtgcc agccaccac tcccactatc catgggtttac ccgttttagaa taagtatcga 300
 tactaagtaa ctcatctgct ttccgtaacg ggaaggtaga caccttctgc tgccaaccac 360
 acattgtcag cacgcttttc acgaacacca caaaccttct gctgaccccc agcaatacga 420
 ctgtatttct tatcatgact atgtagatag cctccagtgt taatatgctg aaggcgaatc 480
 ctttgatcct gcttt 495

<210> 42420
 <211> 522
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910046g10d1

0053113.032200

<400> 42420
cgtaataaaa gtgccgttta atcagggcta atgttaatcc atatgcttca tgacgaaact 60
gaaatgataa acattgattc aaaacctgcc tcaaaattaa catactatca cagaaaagat 120
tgagctatag ttgacgaaac tgataacaca atcctacagc gaactcaatc taactaaaca 180
attgcctggg acttgttaag gatcactccc tcatatttca cctggaacca cttcatagca 240
tcctcctttg tgacacggtg ctgaattcca acccgggact tgcacctgcg gcgacgtcca 300
acacgatagc caggacgctc cagaacaaca aagaaatcca ttccataaat accagttgaa 360
ggatcatact tgattcccaa atcgatatgc tcctgaatac caaagccgaa gcaaccagta 420
tactgaaat tccttctgag aagttcatat tccttaacct ttaaaccact ctccaaaagt 480
tgcattgcct tgtcacctct gacaatgaca tagcatgcaa tc 522

<210> 42421
<211> 539
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910046g11d1

<400> 42421
agtaaaaaag caggaatgta aaattaaaat ttaaaatatt tcccatgatt tgtttgagta 60
cagagatgac agaagagaat aacttaaaaa agaaaaatga cacactaaag gggaagaaca 120
ccacagagga aagtgcaaac ggctccccct gtcataaag agactttaat ctacacttat 180
ccacaatctt gaagacataa tcgagagggt caaagaatcg ttgcaaatac aaagccaaaa 240
gcatttccca ttattaaact tgccatatca acctccatct ctccaattat cttctttcca 300
ctagagccat catcatgaag agaaagacat ctcaattatg ggggttactc ctgaatgac 360
caagggcctt ggctgcacct gctctcaaga tgaactggtg gtagaaggct gcaatggctg 420
cccaataaaa tggctctacc caaagatcc aatggtcac ccatggctta tcttggttgt 480
agataacagc agctccaaga ctctagcag gggtgatacc agtgccagtg actgggatg 539

<210> 42422
<211> 348
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910046g12a1

<400> 42422

aaagggctcg ctgaaaataa attttattga accagatggg aaaaatagct agaaagtctc 60
gagacagcaa aggctagata tcgttttggt aaaaaaattt acaacaatga ctcagtgata 120
accaatagga gctggagcct cttttaattc cttcccttga tgatgaatat cagaagcaaa 180
gtggttaaca tccctgtgat gagcctcatc agcgcgaaac acagtgacaa catccttgag 240
agttgcatcc ttgggaagcc tccagtagtc catagcaatg gcaggggcag ggacattttc 300
aactttacca ctctcaatgg catttaaattg ctgagtgtat gaaatcac 348

<210> 42423

<211> 533

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910046h06d1

<400> 42423

catcaggaat gttattttatt ttattttatt tgaaaaagaa aagaaaaaca atttagctcc 60
aaactattgt agtttcaaag tccagaatat cctatttcaa taaatatctg gaaaaaaatc 120
tgtcccgatga ttgggggaaaa aggtacacta tccgttcttc caatgcatat tacattcagc 180
cctgcaagga cactcaataa aaaaaaaaaa tccatgttat aggcatattc cgttacaata 240
attcaaccta aaataaccag tgggtgaaca caaagccagg ggaaaattcc tttccttcaa 300
caaggtatat agactgaatc atttatgttc tcaatatctg gagaatcatg agaccctgc 360
tgttcatgta tcagtaccac ttagttaact tgcattactg gccatctctt gtttgattag 420
tttttgaatc agaatcatgt tcatcatcat gtgatgtcaa gcccaaactt aagtccaatg 480
tgctttcatt cagatcttgg cgcaccactt gatttttgta ctgagactga ctt 533

<210> 42424

<211> 530

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910046h08d1

<400> 42424

cattcacgtc ttgcgttctg agacagctta aattgggtgc cacctcacac tctcatcacc 60
 atattccacc acttattatg ttctgcact ctcgaggaaa tccgccctta ttgaccacaa 120
 ttgctcgccc actgatgtca tgtaagggct atctgttcga atgggggctg ctcatgaaa 180
 cgccccatgc agcattttta tctgaacata tgggcttaca gcttctttca ttaaaggatc 240
 caccagttcc accacacttc ctttattata cttcctgacg gcccatctgg gtgtaacccg 300
 ctgtgcaaca gatttattca actcaacagg acggggggct gttacaattt ctaaaagcaa 360
 aattccaaat gaataaacgt cactcttggg agtgagatgg tatggtttca tatactcggc 420
 gtccaaataa ccaactgac cctttacttt ggttgaaatg tgtgcttgat cagggctcac 480
 tggctctagc cttgcaaata caaaatcagc aacttttagct cgcattgcttt 530

<210> 42425
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910046h09a1
 <400> 42425

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 tattttcttc cgcgctctac agacacaact tgcgtccaga cgaacctgaa cgcgcttgac 120
 aaggaagctg acctggcaac aaatgcactg gctataccaa tcctaagaca aaaaccgggg 180
 cttttaatgg aacggaagcg ccatgaaggg agtcgatcaa caataggaat cggacaggga 240
 tgcgggactc aatgagggtt gtacgtgaag accgcttgcg agcatatgga acatgatgcc 300
 cctgacggaa atgaaaattc tgggctcaag aagttgggag atgacatatg ggggtggctc 360
 aacgagagat ccgttggagc atactacatc cctt 394

<210> 42426
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910046h10d1
 <400> 42426

ggataccaac cacaaggcct cgctggatta ccatcaattt tcattgcact aacggcttgt 60

tgctgaaagg gtagacgata aacaaccttg tacagctaca aggtgggatac gtatgggaaa 120
 gaaaagacag gctgatgtca ccctatatca cctggctata aaacacactt gagtacatac 180
 tagggattgt atatactga actttatact actcattccc gcatttacag aattgaacgg 240
 atactcttta gagccatcac atatatcgac gcgaagcagt cactgataag caccgagtat 300
 gcttccttta cgacttcctg ttaagttttg caactggatt gcttcttggc agttacctac 360
 ttacataca cggatctgag agctgc 386

<210> 42427
 <211> 422
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910046h11a1

<400> 42427
 aatcactcaa gttgaatctg aaacattctg taaggaccaa aaaataaaag tatgactcag 60
 tccaacccc caagtcacaa aaaaagttgc aaaagacaac acgcattttt cgaagagtca 120
 aaaccataa attctgcaca atattactat aaacacgttg gccatcaaga tatggaatca 180
 gggcaciaat ttaatgtctt tgaagtattc atgctccaca gggctcctgg cggtaatctt 240
 tttggtggga tccacgctat gcttattcga aagaagatta ataccaggtg cctcaagatt 300
 gggaaccaca tttggttagt ccttggatgg ccatttggga aatggtgatt tgaaatcagg 360
 cagtgaaggt actccaggcc atgagtattc atttggggga cccaagattt tgaatatttt 420
 aa 422

<210> 42428
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910046h11d1

<400> 42428
 gtataataat tgaaacaata atttataata aaataacagt ataaaacagt gcatcacatt 60
 aaactcaaat tagaatgtat gggatatatat aatatacttt cacttatatt tgttacaaca 120
 ttgtcaaaaa tatttgattc caagtatctg gaactccagg caaacaccaa tgaatgcaat 180

ctgcatttct tggattggcc ttttctcct cagtcaatag ctttcccccg gtttcagtgt 240
 aaacagagga atgtgcatca atoctatact ctgagatttg tggtatgttg ataaatgtca 300
 ctggaacttt cattttcttc accacttttt ccaccacgt catcatgccc ttattagagc 360
 cacttcccca atgattcttt ttccctattg gctttgtctc gttgaaacat ttgataccat 420
 ctttgttgcc ccagtctaag cttcttgtgt gtgttgggga catagtgttg aagaagacgc 480
 tggttttgtt tggataatag ttgaatcaac ccaa 514

<210> 42429
 <211> 315
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910046h12a1

<400> 42429

attgaaaata ctatctttca agcaaaattc ggaaaataat aatttgaacc aacaccgatg 60
 caaaattcta ttagagcaaa aatacatctg tgcaggggcc aaataacagc attacaacat 120
 tcacgggcaa aaccacaaac aaaactaaca gaaattaaat ctaaagtagc attgttcaca 180
 agagaaaata aattcgacta agttcaaagt aaaataattc atgaaacaaa tttaaagctt 240
 gtcttcaaac tccgagagag gagtgatctg tgccttcaag ccctatctat tgtgaatgtc 300
 agtgacaagc tgtgc 315

<210> 42430
 <211> 403
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910047a03d1

<400> 42430

caattcaaaa ttattattta ttgaaacgcc attaatcagg aatatgagc actgtaattg 60
 gtccaatgta aaaaccgtaa cttacaaacc aaacatgagt cattcagaaa ttgtttacac 120
 tctcaggtgc agattaagca ttgacagata acaataaaca tccattattc aacttcaa 180
 gggcctgaag ccccgtaaaa gcagcagcac ataaaacatt cagaaactgt gacaaagtat 240
 tgtacggaca caatctccat ctaacatgag tgcttttttag caaggtaa 300

ttgcttatta taaaatagct tgcgatgccaa gaaaaataaa ccgaatcgac ctcaactttgt 360
ccaccagtgg aggaagtctt tgcgcttatt gatctttttc tgc 403

<210> 42431
<211> 319
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910047a05d1

<400> 42431

gaaaaaaatg cttggggaaa ttaattgagg gaagctaggg attcaatgtg gctgcaggag 60
aaggcctaac ctgaaaaaga agaagaacta ctccatttaa caacatgggg tgcaacttcc 120
cttgctatcc taccttgagc gctggttggt gaaacacata attacattct cattcaccca 180
tttcttaaca agcctaattct aattaacaca aaatgggaaa cgttcatgct ctcttcccac 240
taaaagttgc atttcgacac ttcccattgc gccattgctt aacaacttca ttgtaccctt 300
cagaagaatc caaagctaa 319

<210> 42432
<211> 228
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910047a06d1

<400> 42432

caattcatag gaatagggtc ttttaaaata tccaaaattt actattcaaa atatatttca 60
tagtaacata aattattttt atcgttttcc aatgaaactt ttaataactt aatattatac 120
aaaaaataaa taaaaatatt attaaaaaaa ttaccaattc tacattatta taactatata 180
gtcattgttg ttaaatttca tttaaaaata aacctttgag ataaattt 228

<210> 42433
<211> 435
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910047a07d1

<400> 42433

0953113.03200
002260"ETTES60

ccaaaagaca gatgtgaact ttttattcag agaaacaaac attggtacat cctcgggtag 60
ataacaatat tctctcttta tccatctaatt tgatgacata ctacaagtct aaaccaaatt 120
acatgctaca acaaaaggac ttccccaccc catgactact acaacatgcc ttgtctagct 180
attaggatca acaacccttt ttctccacta catgatacta atactaggtg tcttacaaca 240
aacctcccc ctctctctct gcttgactcc aacaattccc tcaatgctta attacaacaa 300
aacccttctc ctgatacaac aatgcatcaa acaccaagtc ttaaaaagga ctcaaacttg 360
gatctctatt gaccatctgt acatctctc tggagaaact ggaatggaga aggttgtcac 420
cccgctctctg agtca 435

<210> 42434
<211> 439
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910047a08d1

<400> 42434

gttaaaaata gtatattgcc tgaaagttat atatataattg catgaaagag actgatcatt 60
tgaaaacaaa aaaagatgcc cggggacatg ggtctgcatt atacgtagaa ctatctactt 120
taacaggaga atttattcag taaaactggg ggtgcatcaa gagaagggtcc acaacttgtc 180
cattaattca atcacacagg aaccctaac tcgttgatct tcattatccg tttgttcagc 240
gaagatctct gacgcttcaa atttgaagcc atggaagcaa cctcagctcg aagtgccaga 300
gcttcacgac taggtatata ccgcagcttg tcaagcaaatt cagcagctcg gggttcaacc 360
ttgtatgctg attttgccag ctgttgaaat tgggttcggg cactcactat ttccgtatgc 420
ccatatttca ttttcttct 439

<210> 42435
<211> 345
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910047a09d1

<400> 42435

aaaactaact gcaaatattt ataaatttaa attacaagtc ccattttcct aatatatagg 60

gacacatcat ggatgggtat acatgaatag ctaaaacacc acaggtaaaa cattagtgt 120
 caccatgact tacaacaatg gagtgaagtg atatcccccc ttagacctcc ttatgagcgt 180
 gggcattttg tgaaaaaaaa aatgtcatgg taggatatga ggaggagagg gattaagtac 240
 ttaagtggca catatattat tgcacacgtg gggaatgtcc aattgagatg aaaaactctc 300
 tgaactctct tttcctaagc ttggggaccc ttttacactc tgggtt 345

<210> 42436
 <211> 379
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910047b02d1

<400> 42436
 ggggaaaacc cccccccctc tcaaaaaagg gggggaaaaa aggggggtta aaaaaatttt 60
 ttcaaaaggg ggggttaaatt ttaaggaaaa tttttttttc ttagatctaa aaaaaaagc 120
 ccaaaagaaa acccccacaaa agcccccttt ggggcaaaaa aaaaaagggg gggggggggg 180
 tttccccctt tacccccggg ggaagagtcc caccaaaagg cccttggtta aatgggggaa 240
 aatatgggaa gaaggggaaa caatgggggt tttttcccc aaatggaatt tttcccaccg 300
 gggggggggc ttttttaaaa aaattggaaa aaacctggaa ggggtgccct aaaaaggag 360
 gggttaaaat tttttgggg 379

<210> 42437
 <211> 353
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910047b03d1

<400> 42437
 aatattgaaa tttaacttct atatttcggg gcggttatac aacacatgaa aaaggaggga 60
 ggaaatctgc cccctttcaa tgggtcaaat aaataaatgt ccgactctct aaccaatat 120
 ttacctcaca aaaaaaaaaa aaaaaaaga ttgacacatc gcgctcttca cataccaaat 180
 ctcaactttc aaacgaattg actaggcaaa gaaaaaaaaa aaaaaagag acctctgaag 240
 ataaaatata gagccacttt catcatgatc cacctaccaa caggtagcgg gggtaaaaac 300

acgctcaaaa catgacaact agaccaccaa ttggtatggc ctctcagctt cat 353

<210> 42438
 <211> 175
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910047b05d1

<400> 42438

ggattactag cgtatttggc catacataac gaacggggat gctgacattt taacattagt 60

cactacctaa acatattacg tcttttacct atatgatatg aggacatggg tggatgaacga 120

gttttgaaac actcatgtac cctcatagct ggatgataac ccattttatg tgttt 175

<210> 42439
 <211> 507
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910047b06d1

<400> 42439

acttaatacc tattggtatt tctccctttt ctagtaaaag ggacgatgta aatgaacatg 60

tttaaaaatt aatgtcagat gtagctttta caacatcaag actcaagtaa accaaaaaca 120

taacaaattt gaatactatg acacattacc cagttgatta tgttctaaga tacgcaacca 180

atacaatagc cagcataagg tgtaaaaatt gcacgggaag acctcacacc attcaactct 240

tgaaagaaat tcaatcatcg aactcatga ggaaaatgat tgtagcgctc tatcaaaact 300

ttcttcagct gatgataccc gtttgaccaa tacatgctct gggtgagaaa gtttcagctg 360

gctgaatgat ttgttagatg gtttgccgag atgaagacag catacaacta gattggctag 420

agtttctgga tccctggcat ccttgттаag agcttcaacc aaaaggtct cagcttcgctc 480

gaagttggcc atgtgcatgc agcaaac 507

<210> 42440
 <211> 302
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910047b07d1

<400> 42440

gcttgcaaat ttcccgcatc ctcaggaagc tcaatctctt tcgtaaattgg gattcatcaa 60
 tatttacatg ttacagcaaa atttggattg aaatacatat agcacaaatg ggaaagaagg 120
 aaaggttaga gatctaatac atgagaaaag gacgggggaa aaatgaatat tcaatccaat 180
 ttatgaccca tgcttcacat tttggacttc attgtcaatg ctgggaagaa tcatacacgg 240
 acaaactatt ggcagaaatt ttatgaatct caattgtgcc aaaaatcaat atttcagaga 300
 at 302

<210> 42441

<211> 199

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910047b08d1

<400> 42441

atgaaacaat agtaccgggg tacttaatta aatactaaat agccttttaa acaaattctca 60
 caaatctaca aaaattatat ttatcgttcc ccaatgaaac ctttaacaac ggaatcacac 120
 acctccctaa aataaaatca caatccaaat aactaccaca actccattat taatagtacc 180
 cagtccaccc tgttaaatt 199

<210> 42442

<211> 478

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910047b10d1

<400> 42442

ccaactaaaa tcgcggttgc taattatfff ttaaaatcag gggtgaaata acctgttffa 60
 ttacaggata aaaaagcact ctaatgaaga aggggggaaaa tggaaagcat gaatcctgct 120
 tagctagcgg aaggaatcct atacttctga agcgcaccaa tgaaatcttg aatatactta 180
 ttatgaaggt cttcggaact gaaaaccttg cccatgtcct tggcattctc tcttagagga 240
 ctcccttgct catacacaat cgcaaaccctc aatgttttag ccacatttgc cctagttaaa 300
 gacccatctt tctcgtgttg tggaaacctc acagacaactt gatttttctt cagcacctct 360

caaaacagac attggtcaag ctaatagggc agagtcacaa gncgtgccc aaaatgaacc 420

tttttatata cagagccaga gccacaatga ctcatgcacc ctccaattgt tccatgag 478

<210> 42443

<211> 396

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910047c01d1

<400> 42443

gaacttgact aacaaattta atattaagat ttggctgcca acaataactga gaatgattta 60

agggtgacata tcaagttaca caacttttat ttagtctcta tgagaacctg aattcctccc 120

tgactaactg aaacattgga aagctttaac ttgatagctt caaactctgc attttccatc 180

tcctggctag acaaccagag aggtaaacaa tgatcaatca agtcctgtcc acaactaaag 240

ggtgaacctc ccttaaaaact ccaggttctc ccaaacctag taattgttgc taggttagaa 300

tcagaaggct ccttagcata acactcta atctccctga tggcattgca ccagatagggc 360

cgagctacct taaggaagtc atgcaacact atcact 396

<210> 42444

<211> 574

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910047c02d1

<400> 42444

ctgtgaattc atggttttca ctattattgc atcaagtgtc attggctata tatagagaat 60

gcttaaatca tggtttgata aaaaaaagtc tacaagaaaa tactcaaaat atatataaga 120

aaaaaacaaa catgaacaac tgatgcattt gcaattatac aacagtagtg tgctttctct 180

tttacttgta cttttgtaat tcccaaatac gttgcacaaa aaaagtccac ttatttgggt 240

gtcccgaaag aagcaaacta tctttcgttt acatacagga tccaagagag ttgttttttg 300

gcataatact gaatggaata tcattgattg tgaattagat ccagtatata actatggcat 360

cttcgacaaa ttagaatgtc cgcgagtatt tcctaatttc atacatgatt gaagatatgg 420

aaacaagatc cttgttcaat gcagaaccac caacgatcct cttgatgcaa tccgagagtc 480

ttgtgttata aagcaacaac tgagtcaacg cagcccttaa gatctccata ccacacaaga 540
agttgcttga agaagtgata acgtctttat gcat 574

<210> 42445
<211> 517
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910047c03d1

<400> 42445

aagaaatcct ctcgtcattt atttatacta aaaggcaata gctaataaat caatagcctt 60
tcgggctgag tatagccata acaggattag gggatctttc cttaaatacag ctaatacccc 120
caaatagtta catacaaaca gaacaatgta aaaataaaag ggcaaaatta tgacgccgtg 180
atccaacgac tgttcctcgg ctgggttttt cctcatatat acgcacatcc aaaccaagac 240
caagtaacaa tttcaatttc agattccgcg caaaccocgg ttcctaaggt caagaaaatt 300
actacagtag tagacatggc gatgtaagtc gtttcaattc acaaagcagc atcgagaaac 360
aaatgctgca agttaatttt gctacccttt caattgttca ttgttcctat aacaccaaca 420
cacgggcaat gcacaaaaag cctgtaccat gactgcttaa ggatcccgac tcagcgtctt 480
cgcaagctga accaaataag aagatgcacc tacggat 517

<210> 42446
<211> 131
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910047c06d1

<400> 42446

aaaataatgg gacaaggatt cttaatctaa cacaacatat accttaaaat ccaaattctca 60
cattttcaaa actaacattc actaattccc tatgcccccc ttaacgattg actcacaccc 120
atacacaaaa t 131

<210> 42447
<211> 225
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910047c07d1

<400> 42447

aaaaccatgg ggacaggggc cacaaaccat gacgaccaat tcctttcata aaagtaacca 60
aacctacaaa aaatctactt actgatcccc aacccacaaa ctaacgggtt aatctacctc 120
acaaacaaaa cagtataaac acccataaaa catcctcacc tcaattaatg ttgaaaagag 180
gcccgtgtga ttaaattaaa tacacggatg aactatttgc tccta 225

<210> 42448

<211> 62

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910047c09d1

<400> 42448

aatttcccgg gtacgacgac gtcactagt gcggcggacc gccctttttt tcttttcttt 60
tt 62

<210> 42449

<211> 480

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910047c10d1

<400> 42449

agccacacaa gtttttgctt gtcacaagct ctgtaccctc tctctgtggt gctctgcttc 60
cctcaaaatc aaaccttgat aatatgcaaa tctcctaate caaaaatcaa caagagcaag 120
cgttacccaa tggaagctga aaggcccca ctttcacaac acaactctaa cactaagccc 180
ctctctcgcc tcaacgaata cgtagccaaa accagagttg gcaaattggt caagctctac 240
caacgcaact ccaccttcac caccgagctc cgcgccggca ccgacacctt cctcaccatg 300
gcctacatcc tcaccgncaa cgctncatc ctatccgact ccggcggcac ctgctccgta 360
tacgattgcg tgcattctctg ctacagacca tccatactc tctccgcctg ctcgggccta 420
tcccttcgcg tgatccagac cgacgcctcc tgcaaattag cccggataac ccgggctacg 480

002220.032200

<210> 42450
<211> 455
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910047c11d1

<400> 42450

gaactgaaat ttttatTTaa ttgctacaac acaatgcaac agcatatctt cagtttttct 60
actagtaagt acatactaata gatacactga aatcgcaaac acatcaatta aagtactttt 120
ttttctcacc aataaaaagta cttgataaac tgaaaaggct ccattgccat atattggtaa 180
atgataattc cttgacaaaat attactaaca tatttttttca cacattcttt attaataatt 240
aaaattttatt aaaaaataaa ttatcttagg ttacttctta ttattagagt ttattgcact 300
aacactcctt taattgcttc aggacaaaac ttagatatac ttttgtaagg gttgggtgtc 360
ttcttctcca atcaaaaatta aaatctgatt ttgataatcg gggtaataaa gggttgcaac 420
aaagattaca tggattatca aaataaaaact tcaac 455

<210> 42451
<211> 175
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910047d04d1

<400> 42451

attgagatac catggaaccg gggggcttaa ttcattacaa attcgctgac aaactcaaca 60
tatgtcattg gcttagaaaa gttccaccgt gaaagagaac aactggtaac aagtttgtaa 120
tggacacgga tgaaataaag atgacaagca tattcgggcg aagttggctg tataa 175

<210> 42452
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910047d05d1

<400> 42452

caacctatgg gatccggggg attaatTTTT gaagaattag cggaatgagg ttaaattgca 60

tcatgaaata gtgtatttaa tccgtggaag agaacgaagt gaatcatgat ggtaatggac 120
 acggttgttc ttatgatgac gagaaaattg gggtgggttc ggatggatat tcggatgtca 180
 acggttcgga tcaaaaagga accgtgggag aagtttaagc tgatattgca agaaggtgtg 240
 atttccaaag ggactccac tcagggggt 269

<210> 42453
 <211> 176
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910047d06d1

<400> 42453

attcaatggg acaaggggtc ttaatttttt agtagatagc cttttcattt catttgaata 60
 agttatatat ataattgttg tgggttttaa ccgaaatttt aattcacgga ataacatccc 120
 accttaaaat aaatatgaca tctataaaat atccaaattc cctttttaaa ctgac 176

<210> 42454
 <211> 104
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910047d07d1

<400> 42454

atattgaatt ttttatttac aataccttgg ggcccggagt ccaaactctc taattacaat 60
 cctaataaa aaaatctttc aatttttaaa ataataacat tctt 104

<210> 42455
 <211> 398
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910047e02d1

<400> 42455

caaatgatta tgtaaacctt tgtatcgac aaatatttta aaagggggac aggtccctgg 60
 ttcattacct aatggttacc aaagccgaaa agaccacat gtttgagcac cacctcatat 120
 ttcactattt acaaaattaa ccttttagga agtttgggac ttaaaacctt aatggggggg 180

ccactcttat tttaataggc accgagactt aagttacaga actttttatt tgtttaccaa 240
 aggctattcc aaaattcctt tttttcacca acatcttgag ggcgcttcca ccattccaca 300
 tacattacat gggaatattt gattacagcc agacacactg catatatgct actgtgtggg 360
 gggctttgct acatatggcc acaagatttt gtggcaca 398

<210> 42456
 <211> 493
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910047e03d1

<400> 42456

agcaaaaagc aacaggggta acaatagtaa tcaaaatgaa aagtctgccc tagttaagga 60
 taatgaattg gtattttgaa gggttctgat gctagttata catataccaa agcctaaatt 120
 aaacattcac tcatcaatag aacattttta gggttccagt gggaaaaaaa aggaaggggg 180
 ttttgacat gttacatgag ggttcacttt caatatttaa gggaggttg aggttaccca 240
 ttttccaatg ggaattgagg gaccttatgg ttattaccaa catttattgg gagctgggca 300
 actgttttga accatgtttt tggcaagttg gcagggaact tattgtcccc cgaaaaaacc 360
 tcggggaaaa cctgaacttt ggtggccgga agccctgcca gttcaaatgc attgattttg 420
 ggtagatatg ggtaataaac aactgggcgg gcagtgacaa gaacaactac gcattgaata 480
 gccccccaca cat 493

<210> 42457
 <211> 304
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910047e04d1

<400> 42457

attaaatctt tttttccatt ttaggaaatc atgggatagg gggactgaat aaatgacaac 60
 attgggggtt aaccatatgt gacagatctt cgtaaatttt atacattgag cgagaatgaa 120
 accttaaca acggaatctc tcacctgcct taaatagaag ggtaggccga atcaggttga 180
 catgaacttt gtaatgtgct catcttcaac cttgggggaa tcaatttaca gattaccctt 240

002220"ETTES60

ttgggtccctt gataaaaatg cggagtatgc gaatgaccaa tatgctagag acacaattat 300
cact 304

<210> 42458
<211> 315
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910047e05d1

<400> 42458

agaaaacccat gggtagaggg tgcttacttt aatggatcat tggggactaa taaaatctgt 60
caaactctaca tgtatttctt tcatggtagc agaaggccac cgttttacaag gaaatcacgc 120
ctccacccta aaaggaactg agaaggctat tcaagacccc aacaacttta tagtagcgct 180
cgactgcaaa gctggggggcc tagattgacg agggaaacttt ttggcgtctt tatatgcatg 240
cagagtcccg gaatacataa aagtcttggg gtacacatat cataagacac ctctgttact 300
ttggccacat ggctt 315

<210> 42459
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910047e06d1

<400> 42459

ggaaacccatg ggaccagggg acttaatctt ttgcaaaata ggcgacaaaa ccaagttgtc 60
aaagccacaa aaatcccatc cagggttcgc cagatgaaac ccataaccac ggaatcacac 120
accagcataa aggaaaaata tcgaccaaact caggtcccca acgcccttat gataagtacc 180
tcgtcaaagc tgggaagggt caatcacgaa caaactatcg tcttctatgc aaaa 234

<210> 42460
<211> 179
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910047e07d1

<400> 42460

caaaccatgg gaccgggtgt ctttaatttta tggtagctac cctatccaaa ccctcactca 60
 tactttaaac tatcattcct atagatccat tcggccacct ttaaccatgg aatcttacac 120
 caacctaatt taaaattatc atccaatcca tttcctatct tcctttttta acacctccc 179

<210> 42461
 <211> 369
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910047f01d1

<400> 42461

aaatataaat atatcttaca ggaaaagatt caaaatacac atctaaaaag aattcataaa 60
 tatataccac gcgggctttt gtgctcatag atccaacccg agaagcaatt gaggaactaa 120
 gaatggacaa gcgtagctac aacaaataag ggtgagagaa tttgctcctt ttaagaagag 180
 aacaaaaaaaa atggggattg ttcatttagt cttgaagcca aaagcttcaa tgccactcaa 240
 tcctagaaga gatgtggaaa tagaggggtg aaaccaccaa aaacaacctt ttctccatat 300
 ttttttggtt ttccttagaa ggaagtttag agatgatatt actcaaagca gaagagaagc 360
 tttaaacac 369

<210> 42462
 <211> 502
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910047f02d1

<400> 42462

attcaaacat gtaaatatgc ccgagctata tttacgtatt tttacttaac aataaaaatc 60
 tcaaattaca taaattaggg gccgcgtcat tttttaacaa atctggatga taccaaaatt 120
 tctctctgag gatgtatcta tctatatagc aacaaaattg tgaacaaggg gggctggatg 180
 aaatacagca gcttccattc ctctatatct tcgtcagccg caaaagagac aacttgaac 240
 ccaatctcta gaaaaaatca aactagcttt catcatcagt acttatttca gaagaatcat 300
 cttcctcgtg ataatttca ttttcaactt caacttcac ttcatttca ctttcttgca 360
 tttggagttc atgcacagaa tggcttatag tctgagaagc cttgtcaatc tgtgatgtca 420

gcagttgcag acgacctgat aattgtaaca aaggctgatg agttgcccct ctaaaattgg 480
 taatcttgtc taaggaattg ag 502

<210> 42463
 <211> 147
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910047f04d1

<400> 42463

catgggatgg gggactgaa tctttcacca aaaggggggc gaaccatccg tgtctaacct 60
 tcgtacatat ctttcgtcgt gtgcgattga aacttttaac cagcattgc tgttcccagt 120
 ttaaataagaa ggatcgccca aataagt 147

<210> 42464
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910047f06d1

<400> 42464

gaaacaatag ggccaggtgg caaaaatggt taaaaaatgg gtgtataaaa aaaagtgtca 60
 aagaaaaatg aataattttt tggggggggag agtgaaacct ttaacaatgg aatatcacac 120
 aaggtttaag tagaaggacc atcggaatta gttggaaatc tggtttatta aaagtgggtg 180
 gcccaaactg ggaaatttga tttaggggta aattattagt cttatatact aa 232

<210> 42465
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910047f08d1

<400> 42465

atataaaacg ttttttctta tcataaaaca taaataccaa cttggggaag ggatcgcaaa 60
 aaaccctaca aaaccaagct ccaaagcta catattatac tcttacaggt agaagctgaa 120
 acacattaca acgggttatc ttaccaacat tgtgtagcat gatcaggcca ataaccatgc 180

ctaaccaact attgtgttcg gcaagtatat tttttcttat gaaaaaaaaat gccgaccctt 240
aat 243

<210> 42466
<211> 411
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910047g01d1

<400> 42466

acaaaaacct gaaaaagcct ttgatttcac aatttcacca caaagtttgg tgcattctaa 60
ccgatcgaca aaaaggatca atcataataa ttctttcaac ccaaagtaag agaaaaaaaa 120
acagattgaa tgaaagaaca tacaagaaaa gtctaaatta tttacaaacg atataaatag 180
gggaaccgga attcctttgg ctttatcctc tatgatataa ctataatata agggtagatt 240
atatcatatg taattaaaaa accagccaaa aaaaatgtct tttgatgaca aatcatgaag 300
aagctatttg atgagcttgg gcctgtccat tggggaaggg caatattctg ggcttgctga 360
gagacaattc cactgggatt tgaaaagcat tgttgtaaac ggtggtagtt t 411

<210> 42467
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910047g02d1

<400> 42467

gcttgcaaat ttcccgcac ctcaggaagc tcaatctctt tctaaattaa attcatcaat 60
atttacatgt tacagcaaaa tttggattga aatacatata gcacaaaagg gaaagaagga 120
aaggtaggag atctaataca tgagaaaagg aggggggaaa aaagaagatt caatccacct 180
tatgacacag gcttgacatt cgggacatca tcgagaatga aaggccaag cttaccggtc 240
ctgaatagag tgaggaactt tttggatacc attaaccgcg ctt 283

<210> 42468
<211> 467
<212> DNA
<213> Glycine max

0953113.032200

<223> Clone ID: jC-gmro02910047g03d1

<400> 42468

agagcaaaat aaggattata acaaagtcac ctatatataa tggcattcat ggttgatgat 60
attaaattga tgtttcaata ttgatagcac acaaatggat ctaaaccata aaaccttata 120
tagcactaac atttatttta ggaccacaag gcaagagata cttacatatt aaaattgatt 180
acatacccta attatatctc acataccttt tcaatcatgt ccctctcgag ctacaataag 240
ttctttctaag ttatcagcat caccagtgtc cataggcaac atgatctcat cctcagttgt 300
gaaattataa ttaatcccaa tggctcttag aagctggtat acttcaaaca tggtaggcct 360
ctcctttggc attgctgtaa cacagttaca tgcaaccttc agaaattgga aaagctcctg 420
gtctacaccc ttcccaacta gtgattcatc aatggcttat ggagttt 467

<210> 42469

<211> 320

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910047g04d1

<400> 42469

aaattatagg gtcaggactg aggatttaga atcttttcac aaataacggg gctttaacgg 60
ttatacagaa gaatcagtga tcttaaagag ttaatggaaa ataaagactt ttgctatggg 120
gaagatttaa aatttaaagc tataaattat gctttccatt tgggataaaa accaagctta 180
cgtgatacaa tgaacaaaaa aaagggtatt ggaaggaagc acctactgtt accataccct 240
atatctgcat ggccctccca aagaccgcga gtcactcgcc gtaattaact ggggagctcc 300
gttgaatcac ctccatttgg 320

<210> 42470

<211> 434

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910047g05d1

<400> 42470

gaacactaaa tatagaaagt tgacatttaa taaacgaaag caacacaacg cagcaaagtc 60

ctgaaactcg ctgcgcttaa caaaaatgta atcaggggtt ccgacaaaca caacacatta 120
 aaacacagat aaataaaagc aatdddgtcca ccgtcgatca agaaccagcgt tctgggaaca 180
 acagttgcga gatgatggtg gagacttcaa actttgtccg aaaaacaagc tacctagaaa 240
 agaagacaca agagttcaga aaagaaacca acatttattg taaccaacat cccctgatga 300
 accaggccgc acgattcact tcttgttgtg ggcagccttg gtgaccttgg ctccggtagg 360
 aaccttcttc tcaacgatct tgatgactcc cacagcaaca gtttgacgca tgttccttac 420
 agcaaacta ccaa 434

<210> 42471
 <211> 341
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910047g06d1
 <400> 42471

ggaaggcact tgtatatata tagacataag ttaccgtttg catgatggta tggtagtaaa 60
 atttcagcac ccatccacta aataaaaatg ggatcagttt ttaagtgaat tgtggccccg 120
 acccgtcaca aattacgtc cacctctctg cggttcatcc aaaccgctc tcgaaataac 180
 tgggtgaacc ggacccggac ccgatttttg tacggaatga tacacgtgct gtttaaaacc 240
 gtcatgaacc accgccgtgt tggagggcct gaaaggttgc aggggggtaa tgtgcctaac 300
 gcccgttcaa tatttttgac ccaaccccg acccaaaagga t 341

<210> 42472
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910047g08d1
 <400> 42472

atagccgtat aaccatttga ttggacctct aaaagctctt ggtggaaggg cataagaaac 60
 ttagatgta acaaacaata cttatagagg atggatactc catgagctta gtgccatcca 120
 taattacata ttcatggaa accctcttga gatccgaact gcttctgttt caacgacagt 180
 tactccacct aataccagcg gatctcatag tcgtcatcat tctgcatcag gttcacattg 240

taaaacacat tcttctgctc atgtaaactc taatggcca

279

<210> 42473
<211> 360
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910047g12d1

<400> 42473

agctccagcc agttaaccta tttaaacaaa taatcaagga aacatttggt tcgatgtatg 60
aaattttaag aaaagatata atttcaaata catgcgggga atagatactg aaactaaagg 120
gctttcttca cttgaaagaa gtcgggacgg tccttggttg ccgtatctac atcctctgga 180
gatgccactg caaccacaac ccctttatcc ttaactgctt ccatagcatc cataaaaaatt 240
ttgaagtcct tcaaactagt agataaatatc tcttcacgtc tcctttgcct ttcttcctct 300
gggatacca gttagtaccc gaacatacta ctataacott tggcatcagg aagttgatac 360

<210> 42474
<211> 520
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910047h01d1

<400> 42474

aataataaat acatctttat tttctatatt catataatat agacatacca cctattttcc 60
aagaagtaca ttttcatttg tctcttccc caacctcact tagccactat ttacatatcc 120
tctaccccca aacttaggta taattttacc ttagaaaacca aacctataa gtccttatca 180
aacatcatca ccttaactaa ggttgaaaag agccttgctt attttgctac atgccattct 240
tttgatcact gcaccatcaa ctatttcata ggtgtcttat ttctacctct tcagcctttt 300
ccagttctat tggactttct atatatacaa aacgctagaa accactacag aaaaaaaaaag 360
gacggtgaca cttcccaata cctgccctag gaaagctcga gtattggatt ttgatgaaac 420
gacgtcgaaa cactcgcatt agtatagtag tatttttata ctacctaaga gcattatagc 480
aaatagccta aaaatacca ctatcactaa tattctatga 520

<210> 42475

<211> 512
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910047h02d1

<400> 42475

aatagaactg tgttgctatt attttctgct gcaaatacag agtggttattt gaggatgccca 60
 ggaatatcaa tcaacattga tgatgaatgc aacaattatc ataaaaaatc aaaatcacac 120
 atctaggaca ttttattgca ttttttccct gtcatttaac attgagacta caagtctaata 180
 ccatccgtta gcatgtattt taatacaccc gagccttggg aggggaatgat tcaacctcat 240
 catccaatac attcaaatgc accggcctgt agtccaaccg gaccttctcg ttctcccaga 300
 atcccacagt gtgtttcatc cagttcccat catctctaac cttgaagtct tcacgggcat 360
 gagctcctct actctctttc ctagcttcag cagagtacat tgtgatgcat gcatttatta 420
 aaagattttc aaattcaata gtctcaatca agtcggagtt ccagattaaa ctgcggtcct 480
 tcacctggac atcatggaag ctctcccatg tt 512

<210> 42476
 <211> 475
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910047h03d1

<400> 42476

ggggccgggg caaatcattc aaaaagaaaa atttccaggc atggaccttt tacaacatca 60
 tgagtctaata ggctttgaca tttctctgac actagagaac attggcctta caagatccga 120
 ctccaattga agggggattt ccagtccaaa attcaattta acccttgaca ccataccaaa 180
 aaagttcccc ccgatctggc ttgcctagga cgctttccat ttcagacca aaagatccca 240
 aaacaatttt aaaattaaac ttaatgcaag ttaacacctg gtcccgatca ttttttagtg 300
 tcatcttcaa agagtagggg cccggggggag caatccaagg caatgggttg gtgtgaaaaa 360
 tcaaaaaatt gccattggca acaggacaag atacttcatg acagaaatca attctttcaa 420
 tatggacagg cccccacac gatgaaactc caattacaac ttttcccca taaat 475

<210> 42477